



# New IBM System x3850 X6 and x3950 X6 server models offer agile, resilient solutions through sixth-generation EXA innovation featuring IBM eXFlash memory-channel storage technology and improved compute performance

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## At a glance

The new IBM® System x3850 X6 and x3950 X6 incorporate the sixth generation of IBM enterprise X-Architecture® (EXA) to help deliver better, more efficient business results. The x3850 X6 server supports up to 60 cores and 6 TB of memory for optimized compute performance, and differentiated storage and IO performance through 12.8 TB of IBM eXFlash memory-channel storage and up to 11 PCI slots; the x3950 X6 can support 120 cores, 12 TB of memory, and up to 22 PCIe slots for an enterprise x86 scale-up 8-way solution.

The IBM System x3850 X6 and x3950 X6 are the first System x® platform to leverage the new IBM eXFlash memory-channel storage. This technology brings ultra-low latency flash storage close to the processor by leveraging the memory bus, delivering the fastest response times for on-server-based storage.

The x3850 X6 and x3950 X6 introduce an innovative, modular rack design that leverages the ability to select, add, modify, and upgrade each subsystem of the platform to create fit-for-purpose configurations, maximize server utilization and help lower acquisition costs.

The x3850 X6 and x3950 X6 are built from the ground-up with advanced X6 RAS technology that complements the advanced RAS in the Intel Xeon™ E7 product family. Advanced X6 RAS increases system high availability, proactively responds to advanced predictive failure alerts, and integrates platform RAS with standard operating systems for solution-level RAS capabilities.

By enabling applications to perform more than two times faster, and increasing virtualization density, X6 decreases infrastructure costs and complexity. This enables you to design faster analytics engines, reign in IT sprawl, and deliver information with high reliability. X6 is fast, agile and resilient.

### Highlights:

- Fast application performance means immediate access to actionable information, and can lower solution costs by up to 43%<sup>1</sup>.
- Agile system design helps significantly reduce acquisition costs (up to 28%). The ability to replace existing Compute Books with next generation Compute Books within the same chassis.

- Resilient platforms maximize application uptime and promote easy and increased system availability.

IBM eXFlash DIMM achieves less than five microseconds<sup>2</sup> write latency; the lowest write latency of any flash device. eXFlash DIMMs are ideally suited for large enterprise clients in application environments where high performance is required for high efficiency, with deterministic response rates, ultra-low latency, and no performance load spikes. Environments primed for eXFlash DIMM deployment include database/cloud, Big Data/analytics, high-frequency trading and other financial applications, and virtual desktop infrastructure (VDI).

The IBM eXFlash DIMM leverages 19 nm MLC flash, while providing up to 10 Drive Writes Per Day (DWPD) to meet the endurance needs of write-intensive and mixed-used application workloads.

### **Utilizes existing memory slots**

The DIMM form factor allows IBM eXFlash DIMM to be used in memory slots on the motherboard. IBM eXFlash DIMM is interoperable with RDIMMs, enabling it to be deployed in the IBM System x3850 X6, and x3650 M4 today, with more server options coming in the future. Capacity can be added granularly with each eXFlash DIMM that is added to available server DIMM slots.

### **Ultra-low latency and scalable I/O performance**

The IBM eXFlash DIMM provides less than 5us write latency<sup>2</sup>. This flash form factor closes the gap between storage devices and system memory. The IBM eXFlash DIMM achieves random performance at least 125,000 4 KB random read IOPS and at least 43,000 4 KB random write IOPS, at least 645 MBps and 515 MBps, respectively, of sustained read/write performance.

**Warranty:** Three years, customer replaceable unit (CRU) and on-site<sup>3</sup> service, limited warranty<sup>4</sup>; optional warranty service upgrades available.

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: SE001).

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## **Overview**

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Today, mission-critical applications are being called upon to do more as businesses expand access through new mobile and cloud deployments. Delivering the right answer at the right time means having ready access to actionable information. IT solutions must be able to easily scale performance, manage large masses of data, and reliably make information available in real time. While the volume of data and transactions continues to grow exponentially, businesses remain constrained by a finite set of capital and operational resources.

The new IBM System x3850 X6 and IBM x3950 X6 incorporate the sixth generation of IBM enterprise X-Architecture (EXA) to help deliver better, more efficient business results.

By enabling applications to perform two times (2X) faster, and increasing virtualization density, X6 decreases infrastructure costs and complexity. This enables you to design faster analytics engines, reign in IT sprawl, and deliver information with high reliability. X6 is fast, agile, and resilient.

Highlights:

- Fast application performance means immediate access to actionable information, and can lower solution costs by up to 43%<sup>1</sup>.
- Agile system design can help significantly reduce acquisition costs (up to 28%). The ability to replace existing Compute Books with next generation Compute Books within the same chassis<sup>5</sup>.

- Resilient platforms maximize application uptime and promote easy integration in virtual environments, offering three times more memory capacity and increased system availability.

#### Features of the x3850 X6:

- Intel Xeon E7-4800/8800 v2 product families up to 3.2 GHz, up to 1600 MHz memory access, 60 cores per server. Outstanding compute performance.
- Support for up to 6 TB using 96x64 GB LRDIMMs. Maximum memory availability and quickly scale to meet increased system demands.
- Supports for up to 12.8 TB of IBM eXFlash memory-channel storage using 400 GB Flash DIMMs. Highest storage performance integrated with the processor and leveraging the memory channel for the fastest response times.
- Modular compute, storage, and I/O books. Configure the server to fit the unique requirements of your applications and workloads; modify the server at any time with selectable modular X6 CPU and memory books to create the fit-for-purpose configuration, it can reduce acquisition costs, increase system utilization, and still provide the flexibility to pay-as-you-grow later.
- Lid-less rack design. No need to pull server from rack; front and rear access only for fastest and easiest serviceability.
- The X6 books are modular components that provide clients the ability to add or modify their X6 platforms as technology or workloads change. The ability to replace existing Compute Books with next generation Compute Books within the same chassis.
- Up to 11 total PCIe expansion slots (two front, nine rear). Providing the highest IO bandwidth from a single server in the System x portfolio.
- Ability to support up to six x16 PCIe slots. Delivering capability to host advanced graphics and accelerator PCIe cards.
- Advanced RAS features such as primary processor recovery, memory page retire, and memory page sorting. Enable a high level of x86 availability.
- Built-in Predictive Failure Analysis. Ability to take proactive actions to avoid unscheduled down-time.

#### Features of the x3950 X6:

- Intel Xeon E7-8800 v2 product families up to 3.2 GHz, up to 1600 MHz memory access, 120 cores per server. Outstanding compute performance.
- Support for up to 12 TB using 192x64 GB LRDIMMs. Maximum memory availability and quickly scale to meet increased system demands.
- Support for up to 12.8 TB of IBM eXFlash memory-channel storage using 400 GB Flash DIMMs. Highest storage performance integrated with the processor and leveraging the memory channel for the fastest response times.
- Modular compute, storage, and I/O books. Configure the server to fit the unique requirements of your applications and workloads; modify the server at any time with selectable modular X6 CPU and memory books to create the fit-for-purpose configuration; it can reduce acquisition costs, increase system utilization, and still provide the flexibility to pay-as-you-grow later.
- Monolithic 8U, 8-socket design. Delivers cable-free scalability for increased performance and higher reliability solutions; also allows easier management through a single serial number, and a primary management module (with a secondary IMM present).
- Lid-less rack design. No need to pull server from rack; front and access only for fastest and easiest serviceability.
- Modular component design of the X6 Books for offering clients the ability to add, modify or upgrade their X6 platforms as technology or workloads change. The ability to replace existing Compute Books with next generation Compute Books within the same chassis.
- Up to 22 total PCIe expansion slots (four front, eighteen rear), providing the highest IO bandwidth from a single server in the System x portfolio.
- Ability to support up to 12 x 16 PCIe slots. Delivering capability to host advanced graphics and accelerator PCIe cards.

- Advanced RAS features such as primary processor recovery, memory page retire, and memory page sorting. Enable a high level of x86 availability.
- Built-in Predictive Failure Analysis. Ability to take proactive actions to avoid unscheduled down-time.

Enterprise clients are constantly challenged with finding ways to improve performance. This can vary from a need for the lowest possible write latency to improving the overall density of the IT infrastructure.

IT managers need a high-performance, low-latency, and highly scalable storage technology that provides the capacity and price profile comparable to other flash storage. PCIe adapters closes the last performance gap in current storage solutions by placing flash as close as possible to the CPU and applications. The eXFlash DIMM innovative design connects flash storage to the memory channel using an industry-standard DIMM form factor. This accelerates current enterprise applications and enables a new generation of software solutions that require ultra-low latency access to cost-effective storage devices.

IBM eXFlash DIMM achieves less than five microseconds write latency; the lowest write latency of any flash device. eXFlash DIMMs are ideally suited for large enterprise clients in application environments where high performance is required for high efficiency, with deterministic response rates, ultra-low latency, and no performance load spikes. Environments primed for eXFlash DIMM deployment include database and cloud, Big Data and analytics, high-frequency trading and other financial applications, and virtual desktop infrastructure (VDI).

The IBM eXFlash DIMM leverages 19 nm MLC flash, while providing up to 10 Drive Writes Per Day (DWPD) to meet the endurance needs of write-intensive and mixed-used application workloads.

Highlights of the IBM eXFlash memory-channel storage technology

- Lowest write latency of any flash offering in the market; can achieve as low as 4-5us, write latency
- Support of flash storage ranging from 200 GB to 12.8 TB
- Ability to scale I/O performance linearly while maintaining consistent latency
- Standard DDR3 DIMM form factor

Features and benefits:

- Ultra-low write latency with IBM WriteNow technology
  - Less than five microseconds response time<sup>2</sup>
  - Less wait time between transactions
  - Deterministic response time across varying workloads
  - Tight standard deviation on performance
  - Consistent performance for highest throughput and speed
- RAID mirroring:
  - Allows any two eXFlash DIMMs in the system domain to be a mirrored pair
  - Can protect business-critical data
- High scalability:
  - Add multiple eXFlash DIMMs without experiencing performance degradation
  - Highest flash storage density within the server
- Maximize storage footprint by utilizing existing unused DDR3 slots:
  - Increases storage capacity without increasing your servers
  - Features industry-standard DDR3 form factor
  - Plugs into existing DDR3 slot

## **Broadcom NetXtreme II ML2 Dual Port 10GbaseT for IBM System x (00D2026)**

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The Broadcom NetXtreme II ML2 Dual Port 10GbaseT for IBM System x (00D2026) is based on Broadcom's BCM 57810 controller chip. It features Broadcom's industry-leading dual-port 10 GbE MAC and dual-port 10GBase-T PHY, coupled with Broadcom's field-proven drivers for mainstream operating systems.

For a list of supported servers and operating systems, visit

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

## **Broadcom NetXtreme II ML2 Dual Port 10 GbE SFP+ for IBM System x (00D2028)**

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IBM offers a Broadcom NetXtreme II ML2 Dual Port 10 GbE SFP+ adapter for IBM System x (00D2028) that is based on the Broadcom BCM57810 controller chip. It leverages Broadcom's long-standing industry leadership in Ethernet, providing excellent levels of performance, efficiency, and scalability for the enterprise data center.

For a list of supported servers and operating systems, visit

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

## **Emulex VFA5 ML2 Dual Port 10 GbE SFP+ Adapter for IBM System x (00D1996) and Emulex VFA5 ML2 FCoE/iSCSI License (00D8544)**

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The Emulex VFA5 supports IBM Virtual Fabric (vNIC1), and Switch Independent (vNIC2) modes that enable multiple PCI functions per port. As a network adapter, each port can be configured with up to four vNIC functions with user-definable bandwidth settings. Each physical port can simultaneously support up to three Ethernet and a Storage Protocol (FCoE or iSCSI). An optional software license called Emulex VFA5 ML2 FCoE/iSCSI License for IBM System x (FoD) (00D8544) will upgrade the base ML2 adapter to include FCoE and iSCSI Hardware Acceleration.

On June 30, 2014, this adapter will also support a powerful hardware offloading engine for Microsoft™ Hyper-V Network Virtualization (NVGRE) and VMware Virtual eXtensible Local Area Network (VXLAN). It will also support RDMA over Converged Ethernet (RoCE) that delivers application and storage acceleration through faster I/O operations with support for Windows™ Server SMB Direct and Linux™ NFS protocols.

For a list of supported servers and operating systems, visit

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

For a list of FCoE and iSCSI System Level Interoperability, visit

<http://www-03.ibm.com/systems/support/storage/ssic/interoperability.wss>

## **Intel™ I350-T4 ML2 Quad Port GbE Adapter for IBM System x (00D1998)**

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The Intel I350-T4 ML2 Quad Port GbE Adapter for IBM System x (00D1998) builds on Intel's history of delivering Ethernet products with flexible design and robust driver support. It delivers 4 GbE ports, enhanced power-savings, and market-leading I/O virtualization technologies that include VMDq and Energy Efficient Ethernet.

For a list of supported servers and operating systems, visit

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

## **Intel X540 ML2 Dual Port 10GbaseT Adapter for IBM System x (00D1994)**

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The Intel X540 ML2 Dual Port 10GbaseT Adapter for IBM System x (00D1994) features 10 GbE Networking while using CAT6a cabling.

For a list of supported servers and operating systems, visit

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

- <sup>1</sup> Based on a specific server consolidation example using x3850 X6, eXFlash 400 GB Flash DIMMs, eXFlash 400 GB 1.8-inch SSDs, IBM 2.4 TB MLC DUO Adapters, IBM FlashCache and Storage Accelerator Software, IBM Storage Expansion 2524, and top-of-rack switch with projected solution pricing at announce, showing cost savings in hardware, networking, and software licensing.
- <sup>2</sup> Performance measured under lab conditions. Actual customer results may vary.
- <sup>3</sup> IBM sends a technician after attempting to diagnose and resolve the problem remotely.
- <sup>4</sup> For information on the IBM Statement of Limited Warranty, visit [http://www.ibm.com/servers/support/machine\\_warranties/](http://www.ibm.com/servers/support/machine_warranties/)  
Alternatively, this information is also available by contacting your IBM representative or reseller. Copies are available upon request.
- <sup>5</sup> Up to 28% savings in acquisition cost is based on a comparison of an x3850 X6 (using the modular rack design) versus a traditional rack design with no modularity. Based on projected announcement pricing of x3850 X6 configuration with two Compute Books, Storage Book with 1.2 TB SAS, dual 1400W power supplies, 10 GbE SFP+ networking, and no IO Book options. Cannot mix different generations of Compute Books within the same chassis.

To download the ServerGuide, visit

<http://www-03.ibm.com/systems/management/serverguide/sub.html>

The Microsoft Windows Preinstallation Environment software contains a security feature that will cause an end user customer's system to reboot without prior notification to the end user customer after 24 hours of continuous use of the Microsoft Windows Preinstallation Environment. During routine usage of ServerGuide, which does not usually require usage of the Microsoft Windows Preinstallation Environment software for such an extended time period, this condition should not occur.

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### **Feature exchanges**

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None

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### **Key prerequisites**

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Refer to the [Hardware requirements](#) section for details.

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### **Planned availability date**

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March 5, 2014:

- IBM System x3850 X6 4-socket
- IBM System x SSD drives
- Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter (00D1996)
- Emulex VFA5 ML2 FcoE/iSCSI License (00D8544)
- Broadcom NetXtreme II ML2 Dual Port 10GbaseT Adapter (00D2026)

- Intel X540 ML2 Dual Port 10GbaseT Adapter (00D1994)
- Intel I350-T4 ML2 Quad Port GbE Adapter (00D1998)
- 3837-AC1 IBM System x3850 X6
- 3837-AC3 IBM System x3850 X6
- 3837-AC5 IBM System x3850 X6
- 3837-AC6 IBM System x3850 X6
- 3837-AC7 IBM System x3850 X6
- 3837-MC1 IBM System x3850 X6
- All options not listed with a specific availability date.

April 25, 2014:

- eXFlash DIMM for X3850 X6 Option and CTO (00FE000, 00FE005)
- eXFlash DIMM for X3650 M4 Machine type 7915 Limited Offering Options and CTO  
Refer to [Limitations](#) section for details.
- Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+ Adapter (00D2028)
- IBM System x3850 X6 4-socket FlashDIMM

June 10, 2014:

- IBM System x3950 X6 8-socket
- 8S Processors for x3950 X6 (only following are on June 10, 2014; all others are March 5, 2014):
  - X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHz 105W (44X4001)
  - X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHz 130W (44X4011)
  - X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHz 155W (44X4021)
  - X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHz 130W (44X4031)
- 3837-AC2 IBM System x3950 X6
- 3837-AC4 IBM System x3950 X6
- 3837-MC2 IBM System x3950 X6

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## Description

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### **IBM System x3850 X6 and x3950 X6 servers**

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#### ***High-performance server subsystems***

The new IBM System x3850 X6 and x3950 X6 servers are high-throughput, scalable, SMP-capable, 6-core, 8-core, 10-core, 12-core, and 15-core Intel Xeon-based servers. They deliver excellent scalability for adding memory, adapter cards, or multiple processors.

Models are powered with multi-core Intel Xeon processors that use 64-byte cache lines. EMT64T architecture supports 64-bit extensions. Four connectors for Xeon MP processors on x3850 X6 and eight connectors for Xeon MP processors on the x3950 X6 standard on the system board. High-speed PC3L-12800 ECC SDRAM 1600 MHz memory provides excellent processor-to-memory subsystem performance.

The IBM System x3850 X6 and x3950 X6 system architecture is fine tuned and engineered to optimize the powerful Xeon processors. This architecture consists of the following components:

- Six-core, 8-core, 10-core, 12-core, or 15-core Xeon processors

- System memory cards with Intel Scalable Memory Buffers
- Intel host-bridge I/O controllers

These Xeon processors use Intel Quick Path Interconnect busses for external operations. Each processor supports four independent busses to the memory, for a total of 64 Gbps of potential memory bandwidth per CPU.

### ***High-availability and serviceability features***

Many enterprise on-demand environments run 24-hours a day, seven days a week to supply information around the world. These environments require ruggedly dependable servers designed with features that can tolerate a component failure without total shutdown. IBM System x3850 X6 and x3950 X6 servers pack numerous fault-tolerant and high-availability features into a high-density, rack-optimized package that helps significantly reduce the space needed to support massive network computing operations.

Features include:

- Up to twenty-two 5.0 Gb PCIe I/O (up to twelve x16, ten x8, or up to fourteen x8 with eight x16) sockets on x3950 X6 and 11 PCIe I/O sockets on the x3850 X6 systems.
- Eight Serial Attach SCSI (SAS) HDD bays.
- ECC DIMMs combined with an integrated advanced ECC memory controller with fourth-generation Chipkill support to correct many single-bit, 2-bit, 3-bit, and 4-bit memory errors to minimize disruption of service to LAN clients.
- Memory ProteXion and memory mirroring.
- Memory hardware scrubbing to correct many soft memory errors automatically without software intervention down time.
- PFA on HDD options, memory, processors, power supply, and fans, in conjunction with IBM Systems Director, to help alert the system administrator of an imminent component failure.
- Up to a mix of four 900-watt or 1400-watt (or exactly four 750-watt), voltage-sensing, rear access, hot-swap power supplies in the x3850 X6 chassis, that enable individual fan replacement without powering down the server; plus one fan in each of the hot-swap power supplies, or up to a mix of eight 900-watt or 1400-watt (or exactly eight 750-watt DC) in the x3950 X6 chassis.
- Standard IMM enabling diagnostic, reset, POST, and auto-recovery functions from remote locations and monitoring of temperature, voltage, and fan speed; alerts generated when thresholds are exceeded without utilizing an I/O slot.
- Information LED panel, diagnostics LED panel, and component LEDs for visual indications of system well-being.
- Light path diagnostics for an outside view of the potential problem without removing the cover, to help reduce down time and service costs.
- Front and rear accessible modules to the IO Book, CPU Books, adapter cards, and memory.
- CPU failure recovery in SMP configurations, allowing a failed processor to be forced offline, the server rebooted, an alert generated, and operation continued with the working processor.
- Automatic node failover for increased availability in dual-node configurations.

The servers include:

- Up to 8-socket (120-core) SMP operations with powerful 6-core, 8-core, 10-core, 12-core, or 15-core Xeon processors.
- Up to 96 DIMM slots in 4U of rack space delivering up to 6.14 TB (with 64 GB DIMMs) of high-speed PC3L-12800 DDR3 and up to 192 DIMM slots in 8U delivering up to 12.28 TB (with 64 GB DIMMs) memory.
- One, two or four 900-watt worldwide, voltage-sensing, hot-swap power supplies with auto-restart, standard. Four 1400-watt power supplies standard on the x3850 X6 flash models.



- Eight hot-swap drive bays, supporting up to 8 TB of internal data storage (using eight 1 TB SATA hot-swap HDDs).
- Terabytes of external data storage supporting optional storage units, ServeRAID SCSI controllers, and Fibre Channel controllers and storage units.

## Configurations

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### IBM Systems Director CD

Features 20 agent license proofs of entitlement and includes support for the IBM System x3850 X6 and x3950 X6 servers.

### Systems management

IBM System x3850 X6 and x3950 X6 servers feature IBM Systems Director, a powerful, highly integrated, systems-management software solution built on industry standards and designed for ease of use.

With IBM Systems Director, a network administrator can perform the following tasks:

- View the hardware configuration of remote systems in detail
- Monitor the usage and performance of critical components such as microprocessors, disks, and memory
- Centrally manage individual or large groups of IBM and non-IBM, Intel-based servers, desktop computers, workstations, and mobile computers on a variety of platforms

IBM Systems Director provides a comprehensive entry-level workgroup hardware manager. It has the following key features:

- Advanced self-management capabilities for maximum system availability.
- Support for multiple operating systems, including certain versions of Microsoft Windows 2008 Server, Windows XP Professional, Red Hat Linux, SUSE Linux, and Novell NetWare. For a complete list of operating systems that support IBM Systems Director, visit

[http://publib.boulder.ibm.com/infocenter/eserver/v1r2/index.jsp?topic=/dirinfo\\_5.20/f\\_qm0\\_r\\_supported\\_operating\\_systems.html](http://publib.boulder.ibm.com/infocenter/eserver/v1r2/index.jsp?topic=/dirinfo_5.20/f_qm0_r_supported_operating_systems.html)

The list is updated periodically.

- Support for IBM and non-IBM servers, desktop computers, workstations, and mobile computers. (Not all IBM Systems Director features are supported on non-IBM servers.)
- Support for systems-management industry standards.
- Integration into leading workgroup and enterprise systems-management environments.
- Ease of use, training, and setup.

IBM Systems Director also provides an extensible platform that supports advanced servers that are designed to help reduce the total cost of managing and supporting networked systems. By deploying IBM Systems Director, you can achieve reductions in ownership costs through the following potential benefits:

- Reduced down time
- Increased productivity of IT personnel and users
- Reduced service and support costs

For more information about IBM Systems Director, refer to the CD included with the server or the IBM Systems Director documentation on the CD, or visit

<http://www.ibm.com/systems/management/director/resources/>

IBM Systems Director includes IBM Systems Director Extensions, a portfolio of server tools that integrates into the IBM Systems Director interface and works with the Integrated Management Module, or other systems-management monitoring functions contained in IBM System x eX6 servers. Typical functions and monitoring capabilities can include:

- PFA-enabled critical hardware components
- Temperature
- Voltage
- Fan speed
- Light path diagnostics

The IT administrator gains comprehensive, virtual on-site control of IBM System x3850 X6 and x3950 X6 servers through the ability to remotely:

- Access the server, in many cases regardless of its status
- Inventory and display detailed system and component information
- View server bootup during POST
- Browse and delete logs of events and errors
- Reset or power cycle the server
- Run diagnostics, SCSI, and RAID setup during POST
- Monitor thresholds on server health including:
  - Operating system load
  - POST time-out
  - Voltage
  - Temperature
- Set proactive alerts for critical server events including PFA on:
  - Processors
  - Memory
  - Fans
  - Power supplies
  - HDDs
- Define automated actions such as:
  - Send an email or page to an administrator
  - Run a command or program
  - Display and send an error message to the IBM Systems Director console
- Flash BIOS
- Monitor and graph the utilization of server resources such as:
  - Memory
  - Processor
  - HDDs
- Identify potential performance bottlenecks and react to prevent down time

### ***Active Energy Manager tools and programs***

The IBM Active Energy Manager tool is available on the System x3850 X6 and x3950 X6 servers. IBM Systems Director Active Energy Manager™ V3.1 is the next-generation product of IBM PowerExecutive™ which was previously available from IBM for x86 systems only. IBM Systems Director Active Energy Manager now supports multiple IBM platforms and provides new capabilities that build upon the functions previously available with IBM PowerExecutive V2.1. Enhancements to existing function include:

- Cross-system monitoring and management support
- Dynamic polling rate
- Discovery and monitoring of intelligent PDUs

The Active Energy Manager V3.1 offering has both no-charge (free) monitoring functions and optional chargeable (fee-based) management functions.

#### **No-charge monitor functions**

- Power trending
- Thermal trending
- iPDU support

#### **Priced management functions**

- Power capping
- Power savings mode

For more information, refer to

<http://www-03.ibm.com/systems/management/director/extensions/actengmrg.html>

#### **Memory ProteXion**

- Is included at no additional cost, requires no additional hardware, and works independently of the operating system
- Is similar to the "hot-spare" of a DASD array

#### **Memory mirroring:**

- Propels Intel-based servers towards continuous operations
- Dramatically helps to increase up time and allow scheduled maintenance
- Helps provide capability and reliability approaching a mainframe
- Is operating system independent; does not require drivers or operating system support

#### **Chipkill memory:**

- Offers integrated XA-64e chipsets for using off-the-shelf DIMMs
- Provides better memory reliability to support in-memory databases
- Increases availability by detecting and helping to correct single-bit, 2-bit, 3-bit, and 4-bit memory errors

#### ***World-class support tools and programs***

IBM System x3850 X6 and x3950 X6 servers include tools and programs designed to make ownership a positive experience. From the start, IBM programs help you purchase servers, get them running, and keep them running. IBM can help your company maintain ownership of technology leadership network servers.

- IBM customer replaceable unit (CRU) and on-site, 3-year limited warranty with next-business-day service (same-business-day service optionally available) protects your investment if a problem occurs. This service also includes replacement of parts identified through PFA.
- The ServerProven®<sup>6</sup> program lets you confidently configure your server with various devices and operating systems. This web-based program provides compatibility information from actual testing of the IBM System x3850 X6 and x3950 X6 servers with various adapters and devices.
- The ServerGuide<sup>7</sup> CD library includes online publications and utilities and drivers that help you load popular network operating systems.

- Electronic support on the web offers additional support in an easy-to-use format.

<sup>6</sup> IBM makes no warranties, expressed or implied, regarding non-IBM products and services that are ServerProven, including but not implied warranties and of merchantability and fitness for a particular purpose. These products are offered and warranted solely by third parties.

<sup>7</sup> The Microsoft Windows Preinstallation Environment software, included as part of ServerGuide software, may be used for boot diagnostic, setup, restoration, installation, configuration, test, or disaster recovery purposes only.

### **IBM ToolsCenter**

The IBM ToolsCenter is a collection of server management tools to help manage your IBM System x and BladeServer environment. ToolsCenter makes managing your server environment less complicated, more productive and cost-effective.

For more information, refer to

<http://www-947.ibm.com/support/entry/portal/docdisplay?brand=5000008&Indocid=TOOL-CENTE R>

IBM makes no warranties, expressed or implied, regarding non-IBM products that are ServerProven, including but not implied warranties and of merchantability and fitness for a particular purpose. These products are offered and warranted solely by third parties.

Refer to the [Limitations](#) section for details.

### **IBM System x3850 X6 (4-Socket)**

System SEO Number	Processor	Cache	Memory	HDD Iface	HDD
3837-A4x	1 x 1.90 GHz, Xeon E7-4809 v2, 6 core, 105w	12 MB	2x8 GB	SAS	O/B
3837-B1x	2 x 2.00 GHz, Xeon E7-4820 v2, 8 core, 105w	16 MB	4x8 GB	SAS	O/B
3837-B3x	2 x 2.30 GHz, Xeon E7-4850 v2, 12 core, 105w	24 MB	4x8 GB	SAS	O/B
3837-C1x	2 x 2.60 GHz, Xeon E7-4860 v2, 12 core, 130w	30 MB	4x8 GB	SAS	O/B
3837-C4x	2 x 2.80 GHz, Xeon E7-4890 v2, 15 core, 155w	37.5 MB	4x8 GB	SAS	O/B

### **IBM System x3850 X6 (4-Socket Flash DIMM)**

System SEO Number	Processor	Cache	Memory	HDD Iface	HDD
3837-A7x	4 x 1.90 GHz, Xeon E7-4809 v2, 6 core, 105w	12 MB	80x16 GB 8 x 400GB eXFlash DIMMS	SAS	O/B
3837-A8x	4 x 1.90 GHz, Xeon E7-4809 v2, 6C core, 105w	12MB	64x16 GB 4 x 200GB eXFlash DIMMS	SAS	O/B
3837-A9x	4 x 1.90 GHz, Xeon E7-4809 v2, 6 core, 105w	12MB	95x16 GB 1 x 400GB eXFlash DIMM	SAS	O/B

## IBM System x3950 X6 (8-Socket)

System SEO Number	Processor	Cache	Memory	HDD Iface	HDD
3837-BAX	1 x 2.3 GHz, Xeon E7-8850	24 MB v2, 12	8x8 GB core, 105w	SAS	O/B
3837-CAX	2 x 2.3 GHz, Xeon E7-8870	30 MB v2, 15	8x8 GB core, 130w	SAS	O/B
3837-CCX	2 x 2.8 GHz, Xeon E7-8890	37.5 MB v2, 15	8x8 GB core, 155w	SAS	O/B

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## Product positioning

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These new IBM System x3850 X6 and x3950 X6 models enhance the server line by providing additional choices in preconfigured models. The IBM System x3850 X6 and x3950 X6 servers have the unique capability of expanding memory beyond the limit of the processor, increasing the utilization and productivity of the system.

Equipping the IBM System x3850 X6 and x3950 X6 servers with increased memory capability makes them ideal for virtualized environments and handling complex, memory-intensive on-demand applications that must be supported by space-saving, rack-optimized servers.

The IBM System x3850 X6 and x3950 X6 servers provide excellent scalable processing capability supporting high-speed memory, PCIe bus architecture, and 6-core, 8-core, 10-core, 12-core, and 15-core Intel Xeon processors.

This makes the IBM System x3850 X6 and x3950 X6 servers an excellent fit for current and future enterprise on-demand applications.

These high-density, Intel Xeon-based servers are designed to handle complex applications requiring high-speed computing power, advanced high-availability functions, and a minimum amount of rack space.

Applications include:

- On-demand business
- Business intelligence
- Transaction processing
- Enterprise resource planning
- Collaboration applications (Microsoft Exchange and Lotus Notes®)
- Server consolidation and virtualization
- Internet or intranet front-end serving
- Web content serving
- Database storage as a SAN solution
- In-memory databases

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## Product number

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Single Entity Offerings (SEO)

Description

IBM System x3850 X6 (4-Socket)

SEO  
number

3837A4U  
3837B1U  
3837B3U

IBM System x3850 X6 (4-socket Flash DIMM)

3837C1U  
3837C4U  
3837A7U  
3837A8U  
3837A9U

IBM System x3950 X6 (8-Socket)

3837BAU  
3837CAU  
3837CCU

Description	Machine				Part Number
	type	Model	Feature	SEO	
Broadcom NetXtreme II ML2 Dual Port 10Gbaset for IBM System x	3331	HC1	A40S	00D2026	00D2026
Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+ for IBM System x	3331	HC1	A40T	00D2028	00D2028
Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter for IBM System x	3331	HC1	A40Q	00D1996	00D1996
Emulex VFA5 ML2 FCoE/iSCSI License for IBM System x	3331	HC1	A4NZ	00D8544	00D8544
Intel I350-T4 ML2 Quad Port GbE Adapter for IBM System x	3331	HC1	A40R	00D1998	00D1998
Intel X540 ML2 Dual Port 10Gbaset Adapter for IBM System x	3331	HC1	A40P	00D1994	00D1994
IBM exFlash 200GB DDR3 Storage DIMM	3331	HC1	A4GX	00FE000	00FE000
IBM exFlash 400GB DDR3 Storage DIMM	3331	HC1	A4GY	00FE005	00FE005
IBM 900GB 10K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TN	00AJ071	00AJ071
IBM 900GB 10K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4U0	00AJ076	00AJ076
IBM 300GB 15K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TR	00AJ081	00AJ081
IBM 1TB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	3331	HC1	A4TU	00AJ086	00AJ086
IBM 600GB 10K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TM	00AJ091	00AJ091
IBM 300GB 10K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TL	00AJ096	00AJ096
IBM 600GB 10K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4TZ	00AJ101	00AJ101
IBM 300GB 10K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4TY	00AJ106	00AJ106
IBM 146GB 15K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TQ	00AJ111	00AJ111
IBM 146GB 15K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4U2	00AJ116	00AJ116
IBM 500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	3331	HC1	A4TT	00AJ121	00AJ121
IBM 250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3331	HC1	A4TV	00AJ131	00AJ131
IBM 500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3331	HC1	A4TW	00AJ136	00AJ136
IBM 1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3331	HC1	A4TX	00AJ141	00AJ141
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TP	00AJ146	00AJ146
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4U1	00AJ151	00AJ151
S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3331	HC1	A4U3	00AJ156	00AJ156
S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3331	HC1	A4U4	00AJ161	00AJ161
S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3331	HC1	A4U5	00AJ166	00AJ166
IBM 200GB SAS 2.5" MLC G3HS Enterprise SSD	3331	HC1	A4UA	00AJ207	00AJ207
IBM 400GB SAS 2.5" MLC G3HS Enterprise SSD	3331	HC1	A4UB	00AJ212	00AJ212
IBM 800GB SAS 2.5" MLC G3HS Enterprise SSD	3331	HC1	A4UC	00AJ217	00AJ217
IBM 1.6TB SAS 2.5" MLC G3HS Enterprise SSD	3331	HC1	A4UD	00AJ222	00AJ222
X6 Half-length I/O Book	3331	HC1	A4A2	44X4049	44X4049
X6 Full-length I/O Book	3331	HC1	A4A3	44X4051	44X4051
4x 2.5" HDD Riser	3331	HC1	A4A6	44X4104	44X4104
x3850 X6 Shipping Bracket	3331	HC1	A55G	44X4130	44X4130

1.8" SSD drive bay	3331	HC1	A4A7	44X4106	44X4106
IBM 900W Power Supply	3331	HC1	A4R0	44X4132	44X4132
IBM 1400w HE Redundant Power Supply for altitudes > 5000 meters	3331	HC1	A54D	44X4150	44X4150
IBM 1400W HE Redundant Power Supply	3331	HC1	A54E	44X4152	44X4152
X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W	3331	HC1	A4B3	44X3961	44X3961
X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHz 105W	3331	HC1	A4B4	44X3966	44X3966
X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHz 105W	3331	HC1	A4B5	44X3971	44X3971
X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHz 105W	3331	HC1	A4B6	44X3976	44X3976
X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHz 130W	3331	HC1	A4B7	44X3981	44X3981
X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHz 130W	3331	HC1	A4B8	44X3986	44X3986
X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHz 130W	3331	HC1	A4B9	44X3991	44X3991
X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHz 155W	3331	HC1	A4BA	44X3996	44X3996
X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHz 105W	3331	HC1	A4BB	44X4001	44X4001
X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHz 155W	3331	HC1	A4BC	44X4006	44X4006
X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHz 130W	3331	HC1	A4BD	44X4011	44X4011
X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	3331	HC1	A4BE	44X4016	44X4016
X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHz 155W	3331	HC1	A4BF	44X4021	44X4021
X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHz 155W	3331	HC1	A4BG	44X4026	44X4026
X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHz 130W	3331	HC1	A4BH	44X4031	44X4031
X6 Compute Book Intel Xeon Processor E7-8880L v2 15C 2.2GHz 105W	3331	HC1	A4BJ	44X4036	44X4036
32GB (4Gb, 4Rx4, 1.35V) PC3-12800 DDR3 1600MHZ LP LR-DIMM	3331	HC1	A3SR	46W0676	46W0676
64GB (1x64GB, 8Rx, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHZ LP LRRDIMM	3331	HC1	A451	46W0741	46W0741

The following are newly announced features on the specified models of the IBM xSeries 3837 machine type:

Description	MT	Model	Feature
3837-AC1 IBM System x3850 X6	3837	AC1	
3837-AC2 IBM System x3950 X6	3837	AC2	
3837-AC3 IBM System x3850 X6	3837	AC3	
3837-AC4 IBM System x3950 X6	3837	AC4	
3837-AC5 IBM System x3850 X6	3837	AC5	
3837-AC6 IBM System x3850 X6	3837	AC6	
3837-AC7 IBM System x3850 X6	3837	AC7	
3837-MC1 IBM System x3850 X6	3837	MC1	
3837-MC2 IBM System x3950 X6	3837	MC2	
QLogic 10Gb SFP+ SR Optical Transceiver	3837	AC1	0064
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Brocade 10Gb SFP+ SR Optical Transceiver	3837	AC1	0069
		AC2	
		AC3	

		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
UID Asset Tag Label	3837	AC1	0747
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Brocade 10Gb CNA for IBM System x	3837	AC1	1637
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
EMEA Long Leadtime Configurations	3837	AC1	1763
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Hungary CHW plant 9SH	3837	AC1	1764
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Guad CHW plant 9KQ	3837	AC1	1765
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
ISTC CHW 9K2	3837	AC1	1766
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
RTP CHW 9NR	3837	AC1	1767
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	



Offload Manufacturing to Guadalajara HVEC	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	1768
Offload Manufacturing to RTP HVEC	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	1769
Offload Manufacturing to ISTC	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	1770
Routing for AP Foxconn	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	1771
Capacity Scheduling Service	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	1772
Custom SLA Scheduling Service	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	1796
Custom Asset Tagging - Standard	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	2200
Custom Asset Tagging - Enhanced	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	2201
Custom Image Load - Server	3837	AC1 AC2	2204

		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Custom Media Shipgroup	3837	AC1	2206
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Request for Global Trade Number (UPC or EAN)	3837	AC1	2207
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Custom Software/Firmware Setting - Standard	3837	AC1	2208
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Custom Software/Firmware Setting - Enhanced	3837	AC1	2209
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Custom RAID Configuration	3837	AC1	2212
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Custom Unit Carton Label	3837	AC1	2220
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Custom Palletization	3837	AC1	2221
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Request for a new Vendor Logo Hardware	3837	AC1	2247
		AC2	
		AC3	
		AC4	

		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Request for a Classic RPQ	3837	AC1	2248
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Request for an existing Public RPQ	3837	AC1	2249
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
RAID Configuration	3837	AC1	2302
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack Installation >1U Component	3837	AC1	2306
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Department of Defense UID Label	3837	AC1	2320
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Tertiary Array 2 HDDs	3837	AC1	2411
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Tertiary Array 3 HDDs	3837	AC1	2412
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Tertiary Array 4 HDDs	3837	AC1	2413
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	

Tertiary Array 5 HDDs	3837	AC7 MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	2414
Tertiary Array 6 HDDs	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	2415
Tertiary Array 7 HDDs	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	2416
Tertiary Array 8 HDDs	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	2417
Install largest capacity, faster drives starting in Array 1	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	2498
Install smallest capacity, slower drives starting in Array 1	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	2499
Rack 01	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3101
Rack 02	3837	AC1 AC2 AC3 AC4 AC5 AC6	3102

Rack 03	3837	AC7 MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3103
Rack 04	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3104
Rack 05	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3105
Rack 06	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3106
Rack 07	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3107
Rack 08	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3108
Rack 09	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3109
Rack 10	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1	3110

Rack 11	3837	MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3111
Rack 12	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3112
Rack 13	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3113
Rack 14	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3114
Rack 15	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3115
Rack 16	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3116
Rack 17	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3117
Rack 18	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3118
Rack 19	3837	AC1	3119

			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 20	3837		AC1	3120
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 21	3837		AC1	3121
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 22	3837		AC1	3122
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 23	3837		AC1	3123
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 24	3837		AC1	3124
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 25	3837		AC1	3125
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 26	3837		AC1	3126
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 27	3837		AC1	3127
			AC2	
			AC3	

		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack 28	3837	AC1	3128
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack 29	3837	AC1	3129
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack 30	3837	AC1	3130
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack 31	3837	AC1	3131
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack 32	3837	AC1	3132
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack 33	3837	AC1	3133
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack 34	3837	AC1	3134
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack 35	3837	AC1	3135
		AC2	
		AC3	
		AC4	
		AC5	



Rack 36	3837	AC6 AC7 MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3136
Rack 37	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3137
Rack 38	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3138
Rack 39	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3139
Rack 40	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3140
Rack 41	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3141
Rack 42	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3142
Rack 43	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7	3143

Rack 44	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3144
Rack 45	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3145
Rack 46	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3146
Rack 47	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3147
Rack 48	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3148
Rack 49	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3149
Rack 50	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3150
Rack 51	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3151

Rack 52	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3152
Rack 53	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3153
Rack 54	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3154
Rack 55	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3155
Rack 56	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3156
Rack 57	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3157
Rack 58	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3158
Rack 59	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3159
Rack 60	3837	AC1 AC2	3160

			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 61	3837		AC1	3161
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 62	3837		AC1	3162
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 63	3837		AC1	3163
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack 64	3837		AC1	3164
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack location U01	3837		AC1	3201
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack location U02	3837		AC1	3202
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack location U03	3837		AC1	3203
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
Rack location U04	3837		AC1	3204
			AC2	
			AC3	
			AC4	

		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U05	3837	AC1	3205
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U06	3837	AC1	3206
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U07	3837	AC1	3207
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U08	3837	AC1	3208
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U09	3837	AC1	3209
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U10	3837	AC1	3210
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U11	3837	AC1	3211
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U12	3837	AC1	3212
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	

Rack location U13	3837	AC7 MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3213
Rack location U14	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3214
Rack location U15	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3215
Rack location U16	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3216
Rack location U17	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3217
Rack location U18	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3218
Rack location U19	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3219
Rack location U20	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1	3220

Rack location U21	3837	MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3221
Rack location U22	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3222
Rack location U23	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3223
Rack location U24	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3224
Rack location U25	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3225
Rack location U26	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3226
Rack location U27	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3227
Rack location U28	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3228
Rack location U29	3837	AC1	3229

		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U30	3837	AC1	3230
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U31	3837	AC1	3231
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U32	3837	AC1	3232
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U33	3837	AC1	3233
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U34	3837	AC1	3234
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U35	3837	AC1	3235
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U36	3837	AC1	3236
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U37	3837	AC1	3237
		AC2	
		AC3	



		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U38	3837	AC1	3238
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U39	3837	AC1	3239
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U40	3837	AC1	3240
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U41	3837	AC1	3241
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U42	3837	AC1	3242
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U43	3837	AC1	3243
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U44	3837	AC1	3244
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U45	3837	AC1	3245
		AC2	
		AC3	
		AC4	
		AC5	

		AC6	
		AC7	
		MC1	
		MC2	
Rack location U46	3837	AC1	3246
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Rack location U47	3837	AC1	3247
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
No RAID - Secondary Array set up by customer	3837	AC1	3271
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
No RAID - Tertiary Array set up by customer	3837	AC1	3272
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
QLogic 8Gb FC Single-port HBA for IBM System x	3837	AC1	3578
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
QLogic 8Gb FC Dual-port HBA for IBM System x	3837	AC1	3579
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Emulex 8Gb FC Single-port HBA for IBM System x	3837	AC1	3580
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Emulex 8Gb FC Dual-port HBA for IBM System x	3837	AC1	3581
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	

Brocade 8Gb FC Single-port HBA for IBM System x	3837	MC1	3589
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
Brocade 8Gb FC Dual-port HBA for IBM System x	3837	MC1	3591
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
1m LC-LC Fiber Cable (networking)	3837	MC1	3700
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
5m LC-LC Fiber Cable (networking)	3837	MC1	3701
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
25m LC-LC Fiber Cable (networking)	3837	MC1	3702
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
IBM USB Conversion Option Pack	3837	MC1	3756
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
IBM Single Cable USB Conversion Option (UCO)	3837	MC1	3757
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
0.6m Yellow Cat5e Cable	3837	MC1	3791
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
		MC1	
		MC2	

1.5m Yellow Cat5e Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3792
3m Yellow Cat5e Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3793
10m Yellow Cat5e Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3794
25m Yellow Cat5e Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3795
0.6m Green Cat5e Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3796
1.5m Green Cat5e Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3797
3m Green Cat5e Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3798
10m Green Cat5e Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	3799
25m Green Cat5e Cable	3837	AC1 AC2	3800

		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
0.6m Blue Cat5e Cable	3837	AC1	3801
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
1.5m Blue Cat5e Cable	3837	AC1	3802
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
3m Blue Cat5e Cable	3837	AC1	3803
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
10m Blue Cat5e Cable	3837	AC1	3804
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
25m Blue Cat5e Cable	3837	AC1	3805
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
QLogic 10Gb CNA for IBM System x	3837	AC1	5751
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Intel Ethernet Dual Port Server Adapter I340-T2 for IBM System x	3837	AC1	5767
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Intel Ethernet Quad Port Server Adapter I340-T4 for IBM System x	3837	AC1	5768
		AC2	

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		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Select Storage devices - no IBM-configured RAID required	3837	AC1	5977
		AC2	
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		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Select Storage devices - IBM-configured RAID	3837	AC1	5978
		AC2	
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		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
SOFS Solution Code MFG Instruction	3837	AC1	6124
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GMAS Solution Code MFG Instruction	3837	AC1	6127
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IBW-SSD Solution Code MFG Instruction	3837	AC1	6128
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Cloudburst Solution Code MFG Instruction	3837	AC1	6129
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SONAS Solution Code MFG Instruction	3837	AC1	6130
		AC2	
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Unique SBB for AC1/MC1 models	3837	AC1	6134
		MC1	
Unique SBB for AC2/MC2 models	3837	AC2	6135
		MC2	
Unique SBB for AC3/MC3 models	3837	AC3	6136
Unique SBB for AC4/MC4 models	3837	AC4	6137
1.8" SAS Storage Support	3837	AC1	6138
		AC2	
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		AC5	
		AC6	
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SF Instruction	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	6139
1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	6201
2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	6204
Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	6207
2.8m, 10A/230V, C13 to CEE7-VII (Europe)	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	6212
4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	6263
2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	6311
Primary Array 2 HDDs	3837	AC1 AC2	7008

		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Primary Array 3 HDDs	3837	AC1	7009
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Primary Array 4 HDDs	3837	AC1	7010
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Primary Array 5 HDDs	3837	AC1	7011
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Primary Array 6 HDDs	3837	AC1	7012
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Primary Array 7 HDDs	3837	AC1	7013
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Primary Array 8 HDDs	3837	AC1	7014
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Secondary Array 2 HDDs	3837	AC1	7015
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Secondary Array 3 HDDs	3837	AC1	7016
		AC2	
		AC3	
		AC4	



		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Secondary Array 4 HDDs	3837	AC1	7017
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Secondary Array 5 HDDs	3837	AC1	7057
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Secondary Array 6 HDDs	3837	AC1	7058
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Secondary Array 7 HDDs	3837	AC1	7059
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Secondary Array 8 HDDs	3837	AC1	7060
		AC2	
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		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
China warranty	3837	AC1	7599
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Grouped Product	3837	AC1	7830
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Customer Solution Center Services	3837	AC1	7831
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	

e1350 Special Bid Solution Component	3837	AC7	7929
		MC1	
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
No HDD Selected	3837	AC5	8026
		AC6	
		AC7	
		AC1	
		AC2	
		AC3	
		AC4	
Consolidate Shipment	3837	AC5	8031
		AC6	
		AC7	
		MC1	
		MC2	
		AC1	
		AC2	
e1350 Solution Component	3837	AC3	8034
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Compute Node	3837	AC1	8036
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
Management Node	3837	MC1	8037
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
Storage Node	3837	AC6	8038
		AC7	
		MC1	
		MC2	
		AC1	
		AC2	
		AC3	
TAA Compliant Order	3837	AC4	8067
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
		AC1	
General Racking Solution	3837	AC2	8072
		AC3	
		AC3	

		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
No Publications Selected	3837	AC1	8086
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Performance Memory Configuration	3837	AC1	8957
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Integrate in manufacturing	3837	AC1	8971
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Ship Uninstalled (Safety)	3837	AC1	8972
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Hot Spare	3837	AC1	9013
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Enable Memory Mirroring	3837	AC1	9017
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 01	3837	AC1	9170
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 02	3837	AC1	9171
		AC2	
		AC3	
		AC4	
		AC5	

		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 03	3837	AC1	9172
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 04	3837	AC1	9173
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 05	3837	AC1	9174
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 06	3837	AC1	9175
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 07	3837	AC1	9176
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 08	3837	AC1	9177
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 09	3837	AC1	9178
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Storage Subsystem ID 10	3837	AC1	9179
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	

Storage Subsystem ID 11	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9180
Storage Subsystem ID 12	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9181
Storage Subsystem ID 13	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9182
Storage Subsystem ID 14	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9183
Storage Subsystem ID 15	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9184
Storage Subsystem ID 16	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9185
Storage Subsystem ID 17	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9186
Storage Subsystem ID 18	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9187

Storage Subsystem ID 19	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9188
Storage Subsystem ID 20	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9189
Preload Specify	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9200
Windows Specify	3837	MC1 MC2	9201
Red Hat Specify	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7	9202
SuSE Specify	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7	9203
Drop-in-the-Box Specify	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9205
No Preload Specify	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9206
VMware Specify	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	9207
Preload by Hardware Feature Specify	3837	AC1 AC2 AC3 AC4	9220

		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Software Application (Not Preinstalled) Specify	3837	AC1	A0UF
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Advanced Grouping	3837	AC1	A102
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
System x Cluster Upgrade	3837	AC1	A103
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Broadcom NetXtreme II Dual Port 10GBaseT Adapter for IBM System x	3837	AC1	A18Y
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Integrated Solutions	3837	AC1	A193
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
ServerRAID M5100 Series 512MB Flash/RAID 5 Upgrade for IBM System x	3837	AC1	A1J4
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
High Performance Analytics Appliance	3837	AC3	A1NN
		AC4	
10A/250V C13 to NEMA 6-15P 2.8m line cord	3837	AC1	A1RF
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
ServerRAID M5120 SAS/SATA Controller for IBM System x	3837	AC1	A1WX
		AC2	
		AC3	

		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
ServerRAID M5100 Series 1GB Flash/RAID 5 Upgrade for IBM System x	3837	AC1	A1WY
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
ServerRAID M5100 Series RAID 6 Upgrade for IBM System x	3837	AC1	A1X3
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
ServerRAID M5100 Series 425mm Flash Power Module Cable	3837	AC1	A1X9
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Power Supply Blank Filler	3837	AC1	A298
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Label KC	3837	AC1	A2CM
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
IBM System x 4S- 750W High Efficiency -48 V DC Power Supply	3837	AC1	A2EA
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Intel x520 Dual Port 10GbE SFP+ Adapter for IBM System x	3837	AC1	A2EC
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	



Intel X540-T2 Dual Port 10Gbaset Adapter for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2ED
BCFC for SEntry Solution	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2EE
BladeCenter Foundation for Cloud	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2HM
Configuration ID 01	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HP
Configuration ID 02	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HQ
Configuration ID 03	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HR
Configuration ID 04	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HS
Configuration ID 05	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HT
Configuration ID 06	3837	AC1 AC2 AC3 AC4 AC5	A2HU

Configuration ID 07	3837	AC6 AC7 MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HV
Configuration ID 08	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HW
Configuration ID 09	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HX
Configuration ID 10	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HY
Configuration ID 11	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2HZ
Configuration ID 12	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2J0
Configuration ID 13	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2J1
Configuration ID 14	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2J2

Configuration ID 15	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2J3
Configuration ID 16	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2J4
Configuration ID 17	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2J5
Configuration ID 18	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2J6
Configuration ID 19	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2J7
Configuration ID 20	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2J8
Configuration ID 21	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2J9
Configuration ID 22	3837	MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7	A2JA

Configuration ID 23	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JB
Configuration ID 24	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JC
Configuration ID 25	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JD
Configuration ID 26	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JE
Configuration ID 27	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JF
Configuration ID 28	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JG
Configuration ID 29	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JH
Configuration ID 30	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JJ
Configuration ID 31	3837	AC1 AC2	A2JK

		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Configuration ID 32	3837	AC1	A2JL
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Configuration ID 33	3837	AC1	A2JM
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Configuration ID 34	3837	AC1	A2JN
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Configuration ID 35	3837	AC1	A2JP
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Configuration ID 36	3837	AC1	A2JQ
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Configuration ID 37	3837	AC1	A2JR
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Configuration ID 38	3837	AC1	A2JS
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Configuration ID 39	3837	AC1	A2JT
		AC2	
		AC3	
		AC4	

Configuration ID 40	3837	AC5 AC6 AC7 MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JU
Configuration ID 41	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JV
Configuration ID 42	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2JW
Primary Array - RAID 0	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2K6
Primary Array - RAID 1	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2K7
Primary Array - RAID 5	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2K9
Primary Array - RAID 6	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KA
Primary Array - RAID 10	3837	AC1 AC2 AC3 AC4 AC5 AC6	A2KB

Secondary Array - RAID 0	3837	AC7 MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KF
Secondary Array - RAID 1	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KG
Secondary Array - RAID 5	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KJ
Secondary Array - RAID 6	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KK
Secondary Array - RAID 10	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KL
Tertiary Array - RAID 0	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KQ
Tertiary Array - RAID 1	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KR
Tertiary Array - RAID 5	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1	A2KT

Tertiary Array - RAID 6	3837	MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KU
Tertiary Array - RAID 10	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2KV
Configure the same as Controller 3	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2LA
ServerAID M5100 Series SSD Performance Key for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2MC
ServerAID M5100 Series SSD Caching Enabler for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2MD
Emulex VFA III/IIIr FCoE/iSCSI License for IBM System x (FoD)	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2U2
Broadcom NetXtreme I Quad Port GbE Adapter for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A2V3
Broadcom NetXtreme I Dual Port GbE Adapter for IBM System x	3837	AC1 AC2 AC3 AC4 AC5	A2V4



		AC6	
		AC7	
		MC1	
		MC2	
Emulex 16Gb FC Single-port HBA for IBM System x	3837	AC1	A2W5
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Emulex 16Gb FC Dual-port HBA for IBM System x	3837	AC1	A2W6
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Brocade 16Gb FC Single-port HBA for IBM System x	3837	AC1	A2XU
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Brocade 16Gb FC Dual-port HBA for IBM System x	3837	AC1	A2XV
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
IBM 1.2TB High IOPS MLC Mono Adapter	3837	AC1	A3DY
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
IBM 2.4TB High IOPS MLC Duo Adapter	3837	AC1	A3DZ
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
3m IBM HD-minisAS to minisAS SAS Cable	3837	AC1	A3HY
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
IBM 365GB High IOPS MLC Mono Adapter	3837	AC1	A3J3
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	

IBM 785GB High IOPS MLC Mono Adapter	3837	MC1	A3J4
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
QLogic 16Gb FC Single-port HBA for IBM System x	3837	MC1	A3KW
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
QLogic 16Gb FC Dual-port HBA for IBM System x	3837	MC1	A3KX
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
Qlogic 8200 Dual Port 10GbE SFP+ VFA for IBM System x	3837	MC1	A3MR
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
Qlogic 8200 VFA FCoE/iSCSI License for IBM System x (FoD)	3837	MC1	A3MT
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
N2125 SAS/SATA HBA for IBM System x	3837	MC1	A3MV
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
Mellanox ConnectX-3 10 GbE Adapter for IBM System x	3837	MC1	A3PM
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter for IBM System x	3837	MC1	A3PN
		MC2	
		AC1	
		AC2	
		AC3	

			AC6 AC7 MC1 MC2	
4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHZ LP RDIMM	3837		AC1 AC2 AC5 AC6 AC7 MC1 MC2	A3QE
8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHZ LP RDIMM	3837		AC1 AC2 AC5 AC6 AC7 MC1 MC2	A3QH
16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHZ LP RDIMM	3837		AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3QM
1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable	3837		AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3SS
2.5m, 10A/100-250V, 2 Long C13s to Short C14 Rack Power Cable	3837		AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3ST
2.8m, 10A/100-250V, 2 Short C13s to Long C14 Rack Power Cable	3837		AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3SU
4.1m, 10A/100-250V, 2 Long C13s to Long C14 Rack Power Cable	3837		AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3SV
1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack Power Cable	3837		AC1 AC2 AC3	A3SW

			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack Power Cable	3837		AC1	A3SX
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack Power Cable	3837		AC1	A3SY
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack Power Cable	3837		AC1	A3SZ
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
N2215 SAS/SATA HBA for IBM System x	3837		AC1	A3YY
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
ServerRAID M5210 SAS/SATA Controller for IBM System x	3837		AC1	A3YZ
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
ServerRAID M5200 Series 1GB Cache/RAID 5 Upgrade for IBM Systems	3837		AC1	A3Z0
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
ServerRAID M5200 Series 1GB Flash/RAID 5 Upgrade for IBM Systems	3837		AC1	A3Z1
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	

ServerRAID M5200 Series 2GB Flash/RAID 5 Upgrade for IBM Systems	3837	MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3Z2
ServerRAID M5200 Series RAID 6 Upgrade for IBM Systems-FoD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3Z5
ServerRAID M5200 Series Zero Cache/RAID 5 Upgrade for IBM Systems-FoD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3Z6
ServerRAID M5200 Series Performance Accelerator for IBM Systems-FoD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3Z7
ServerRAID M5200 Series SSD Caching Enabler for IBM Systems-FoD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A3Z8
Super Cap Cable 425mm for ServRAID M5200 Series Flash	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A47G
Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A47H
Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter for IBM System x	3837	AC1 AC2 AC3	A47J

		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
System Documentation and 4YR Warranty	3837	AC1	A49Y
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
System Documentation and Software-US English	3837	AC1	A49Z
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
x3850 ex6 I/O Planar	3837	AC1	A4A0
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
X6 Storage Book	3837	AC1	A4A1
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Midplane for 4U Chassis	3837	AC1	A4A4
		AC3	
		AC5	
		AC6	
		AC7	
		MC1	
Midplane for 8U Chassis	3837	AC2	A4A5
		AC4	
		MC2	
IBM System x Rail Kit	3837	AC1	A4AA
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
System 4U Packaging - WW	3837	AC1	A4AB
		AC3	
		AC5	
		AC6	
		AC7	
		MC1	
X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W	3837	AC1	A4AM
		AC2	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	

X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHZ 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4AN
X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHZ 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4AP
X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHZ 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4AQ
X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHZ 130W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4AR
X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHZ 130W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4AS
X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHZ 130W	3837	AC1 AC2 AC3 AC5 AC6 AC7 MC1 MC2	A4AT
X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHZ 155W	3837	AC1 AC2 AC3 AC5 AC6 AC7 MC1 MC2	A4AU
X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHZ 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4AV
X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHZ 155W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4AW

X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHZ 130W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4AX
X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHZ 130W	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4AY
X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHZ 155W	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4AZ
X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHZ 155W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B0
X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHZ 130W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B1
X6 Compute Book Intel Xeon Processor E7-8880L v2 15C 2.2GHZ 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B2
x3850 X6 4U Chassis	3837	AC1 AC3 AC5 AC6 AC7 MC1 MC2	A4BL
x3950 X6 8U Chassis	3837	AC2 AC4 MC2	A4BM
Labels GBM	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4BN
short SAS cable to planar	3837	AC1 AC2 AC3 AC4	A4BP



		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
PCIe Option Bay Filler	3837	AC1	A4BT
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
X6 Compute Book Filler	3837	AC1	A4BU
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
2U bracket for low profile-internal-storage adapter	3837	AC1	A4C1
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
IBM HDD Filler ASM GEN 3	3837	AC1	A4C2
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
IBM HDD Filler ASM GEN 3 Quad Filler	3837	AC1	A4EL
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
System 8U Packaging - WW	3837	AC2	A4EM
		AC4	
		MC2	
No x Network Adapter	3837	AC1	A4EY
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
S3700 200GB SATA 1.8" MLC Enterprise SSD for IBM System x	3837	AC1	A4FS
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
S3700 400GB SATA 1.8" MLC Enterprise SSD for IBM			

System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4FT
Emulex Dual Port 10GbE SFP+ VFA III-R for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4M9
Rating label for 1400W PS	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4QX
Rating label for 900W PS	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4QY
Rating label for 750W DC PS	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4QZ
Lightpath LCD Op Panel	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4VH
IBM USB Memory Key for VMware ESXi 5.1 Update 1	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4WZ
Essential Package	3837	AC1 MC1	A52G
Enhanced Package	3837	AC1 MC1	A52H
Elite Package	3837	AC1 MC1	A52J
Essential Package	3837	AC1 MC1	A52K
Enhanced Package	3837	AC1 MC1	A52L

Elite Package	3837	AC1	A52M
		MC1	
x3950 X6 Essential Package	3837	AC2	A53G
		MC2	
x3950 X6 Enhanced Package	3837	AC2	A53H
		MC2	
x3950 X6 Elite Package	3837	AC2	A53J
		MC2	
x3950 X6 Essential Package	3837	AC2	A53K
		MC2	
x3950 X6 Enhanced Package	3837	AC2	A53L
		MC2	
x3950 X6 Elite Package	3837	AC2	A53M
		MC2	
Drive ID label sheet	3837	AC1	A54F
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
Unique SBB for AC5/MC5 models	3837	AC5	A55H
Unique SBB for AC6/MC6 models	3837	AC6	A55J
Unique SBB for AC7/MC7 models	3837	AC7	A55K
No 2.5" Gen 3 SAS HDD Selected	3837	AC1	A565
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
HANA Software Stack	3837	AC3	A56P
		AC4	
IBM FlashCache Storage Accel for Direct v2.x, Per Install w/3Yr S&S	3837	AC5	A5BA
		AC6	
IBM FlashCache Storage Accel for Virtual v2.x, Per Install w/3Yr S&S	3837	AC7	A5BB

The following are features already announced for the 3837, 5455, 7915 machine type:

Description	MT	Model	Feature
3837-AC1	3837	AC1	
3837-AC2	3837	AC2	
3837-AC3	3837	AC3	
3837-AC4	3837	AC4	
3837-AC5	3837	AC5	
3837-AC6	3837	AC6	
3837-AC7	3837	AC7	
3837-MC1	3837	MC1	
3837-MC2	3837	MC2	
5455-AC1	5455	AC1	
5455-MC1	5455	MC1	
7915-AC1	7915	AC1	
7915-MC1	7915	MC1	
32GB (1x32GB, 4Rx4, 1.35V)PC3L-12800 CL11 ECC DDR3 1600MHZ LP LRDIMM	3837	AC1	A3SR
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	

Intel X540 ML2 Dual Port 10Gbaset Adapter for IBM

System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A40P
Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A40Q
Intel I350-T4 ML2 Quad Port GbE Adapter for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A40R
Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+ Adapter for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A40S
Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+ for IBM System x	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A40T
64GB (4Gb, 8Rx4, 1.35V) PC3-10600 DDR3 1333MHZ LP LRDIMM	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A451
X6 Half-length I/O Book	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4A2
X6 Full-length I/O Book	3837	AC1 AC2 AC3 AC4 AC5 AC6	A4A3

4x 2.5" HDD Riser	3837	AC7 MC1 MC2 AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4A6
1.8" SSD drive bay	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4A7
Add1 X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B3
Add1 X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHz 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B4
Add1 X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHz 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B5
Add1 X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHz 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B6
Add1 X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHz 130W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B7
Add1 X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHz 130W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4B8
Add1 X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHz 130W	3837	AC1 AC2 AC3 AC5	A4B9

			AC6 AC7 MC1 MC2	
Addl X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHz 155W	3837		AC1 AC2 AC3 AC5 AC6 AC7 MC1 MC2	A4BA
Addl X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHz 105W	3837		AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4BB
Addl X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHz 155W	3837		AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4BC
Addl X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHz 130W	3837		AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4BD
Addl X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	3837		AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4BE
Addl X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHz 155W	3837		AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4BF
Addl X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHz 155W	3837		AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4BG
Addl X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHz 130W	3837		AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4BH
Addl X6 ComputeBook Intel Xeon Processor E7-8880L				

v2 15C 2.2GHz 105W	3837	AC1 AC2 AC5 AC6 AC7 MC1 MC2	A4BJ
IBM exFlash 200GB DDR3 Storage DIMM	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4GX
IBM exFlash 200GB DDR3 Storage DIMM	7915	AC1 MC1	
IBM exFlash 400GB DDR3 Storage DIMM	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4GY
IBM exFlash 400GB DDR3 Storage DIMM	7915	AC1 MC1	
Emulex VFA5 ML2 FCoE/iSCSI License for IBM System x (FoD)	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4NZ
IBM 900w Power Supply	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4R0
IBM 300GB 10K 6Gbps SAS 2.5" G3HS HDD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4TL
IBM 600GB 10K 6Gbps SAS 2.5" G3HS HDD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4TM
IBM 900GB 10K 6Gbps SAS 2.5" G3HS HDD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1	A4TN

IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	3837	MC2	A4TP
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
IBM 146GB 15K 6Gbps SAS 2.5" G3HS HDD	3837	MC1	A4TQ
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
		AC6	
IBM 300GB 15K 6Gbps SAS 2.5" G3HS HDD	3837	AC7	A4TR
		MC1	
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
		AC5	
IBM 500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	3837	AC6	A4TT
		AC7	
		MC1	
		MC2	
		AC1	
		AC2	
		AC3	
		AC4	
IBM 1TB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	3837	AC5	A4TU
		AC6	
		AC7	
		MC1	
		MC2	
		AC1	
		AC2	
		AC3	
IBM 250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3837	AC4	A4TV
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
		AC1	
		AC2	
IBM 500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3837	AC3	A4TW
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
		AC1	
IBM 1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3837	AC2	A4TX
		AC3	
		AC4	
		AC5	
		AC6	
		AC7	
		MC1	
		MC2	
IBM 300GB 10K 6Gbps SAS 2.5" G3HS SED	3837	AC1	A4TY



			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
IBM 600GB 10K 6Gbps SAS 2.5" G3HS SED	3837		AC1	A4TZ
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
IBM 900GB 10K 6Gbps SAS 2.5" G3HS SED	3837		AC1	A4U0
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS SED	3837		AC1	A4U1
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
IBM 146GB 15K 6Gbps SAS 2.5" G3HS SED	3837		AC1	A4U2
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3837		AC1	A4U3
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3837		AC1	A4U4
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	
S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3837		AC1	A4U5
			AC2	
			AC3	
			AC4	
			AC5	
			AC6	
			AC7	
			MC1	
			MC2	

IBM 200GB SAS 2.5" MLC G3HS Enterprise SSD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4UA
IBM 400GB SAS 2.5" MLC G3HS Enterprise SSD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4UB
IBM 800GB SAS 2.5" MLC G3HS Enterprise SSD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4UC
IBM 1.6TB SAS 2.5" MLC G3HS Enterprise SSD	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A4UD
IBM 1400W HE Redundant Power Supply for altitudes >5000 meters	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A54D
IBM 1400W HE Redundant Power Supply	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A54E
ex6 Shipping Bracket	3837	AC1 AC2 AC3 AC4 AC5 AC6 AC7 MC1 MC2	A55G
Essential Package	5455	AC1 MC1	A566
Enhanced Package	5455	AC1 MC1	A567
Elite Package	5455	AC1 MC1	A568
Essential Package	5455	AC1 MC1	A569
Enhanced Package	5455	AC1 MC1	A56A

Elite Package

5455 AC1 A56B  
MC1

The following are features already announced for the 3331 machine type:

Description	MT	Model	Feature
32GB (1x32GB, 4Rx4, 1.35V)PC3L-12800 CL11 ECC DDR3 1600MHZ LP LRDIMM	3331	HC1	A3SR
Intel X540 ML2 Dual Port 10Gbaset Adapter for IBM System x	3331	HC1	A40P
Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter for IBM System x	3331	HC1	A40Q
Intel I350-T4 ML2 Quad Port GbE Adapter for IBM System x	3331	HC1	A40R
Broadcom NetXtreme II ML2 Dual Port 10Gbaset for IBM System x	3331	HC1	A40S
Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+ for IBM System x	3331	HC1	A40T
64GB (4Gb, 8Rx4, 1.35V) PC3-10600 DDR3 1333MHZ LP LRDIMM	3331	HC1	A451
X6 Half-length I/O Book	3331	HC1	A4A2
X6 Full-length I/O Book	3331	HC1	A4A3
4x 2.5" HDD Riser	3331	HC1	A4A6
1.8" SSD drive bay	3331	HC1	A4A7
Addl X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W	3331	HC1	A4B3
Addl X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHz 105W	3331	HC1	A4B4
Addl X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHz 105W	3331	HC1	A4B5
Addl X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHz 105W	3331	HC1	A4B6
Addl X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHz 130W	3331	HC1	A4B7
Addl X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHz 130W	3331	HC1	A4B8
Addl X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHz 130W	3331	HC1	A4B9
Addl X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHz 155W	3331	HC1	A4BA
Addl X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHz 105W	3331	HC1	A4BB
Addl X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHz 155W	3331	HC1	A4BC
Addl X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHz 130W	3331	HC1	A4BD
Addl X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W	3331	HC1	A4BE
Addl X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHz 155W	3331	HC1	A4BF
Addl X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHz 155W	3331	HC1	A4BG
Addl X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHz 130W	3331	HC1	A4BH
Addl X6 ComputeBook Intel Xeon Processor E7-8880L v2 15C 2.2GHz 105W	3331	HC1	A4BJ
IBM exFlash 200GB DDR3 Storage DIMM	3331	HC1	A4GX
IBM exFlash 400GB DDR3 Storage DIMM	3331	HC1	A4GY
Emulex VFA5 ML2 FCoE/iSCSI License for IBM System x (FoD)	3331	HC1	A4NZ
IBM 900W Power Supply	3331	HC1	A4R0
IBM 300GB 10K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TL
IBM 600GB 10K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TM
IBM 900GB 10K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TN
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TP
IBM 146GB 15K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TQ
IBM 300GB 15K 6Gbps SAS 2.5" G3HS HDD	3331	HC1	A4TR
IBM 500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	3331	HC1	A4TT
IBM 1TB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	3331	HC1	A4TU
IBM 250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3331	HC1	A4TV
IBM 500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3331	HC1	A4TW
IBM 1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	3331	HC1	A4TX
IBM 300GB 10K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4TY
IBM 600GB 10K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4TZ

IBM 900GB 10K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4U0
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4U1
IBM 146GB 15K 6Gbps SAS 2.5" G3HS SED	3331	HC1	A4U2
S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3331	HC1	A4U3
S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3331	HC1	A4U4
S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	3331	HC1	A4U5
IBM 200GB SAS 2.5" MLC G3HS Enterprise SSD	3331	HC1	A4UA
IBM 400GB SAS 2.5" MLC G3HS Enterprise SSD	3331	HC1	A4UB
IBM 800GB SAS 2.5" MLC G3HS Enterprise SSD	3331	HC1	A4UC
IBM 1.6TB SAS 2.5" MLC G3HS Enterprise SSD	3331	HC1	A4UD

IBM 1400w HE Redundant Power Supply for altitudes >5000 meters	3331	HC1	A54D
IBM 1400w HE Redundant Power Supply	3331	HC1	A54E
eX6 Shipping Bracket	3331	HC1	A55G

The following feature numbers are automatically added to the 5372-SWX HIPO order whenever one of the hardware system units are configured in an order.

HIPO feature number	Description
A863 3837-AC1	Routing Code
A864 3837-MC1	Routing Code
A865 3837-AC2	Routing Code
A866 3837-MC2	Routing Code
A867 3837-AC3	Routing Code
A868 3837-AC4	Routing Code
A869 3837-AC5	Routing Code
A86A 3837-AC6	Routing Code
A86B 3837-AC7	Routing Code

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## Reference information

For more information, refer to Software Announcement [212-412](#), dated October 03, 2012, IBM General Parallel File System on x86 Single Server for x86 Integrated Offerings.

### Business Partner information

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If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=114-031>

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## Publications

The following publications are available on the support website and on the Documentation CD:

The *IBM System Types 3837 and 3839, x3850 X6 and x3950 X6 Installation and User's Guide*, and the *IBM System Types 3837 and 3839, x3850 X6 and x3950 X6 Problem Determination and Service Guide*, in US English versions, are available from our website

<http://www.ibm.com/support>

They contain an introduction to the computer, installation and setup, installing options, reference information, and problem determination. The installation guide has easy-to-use text and illustrations to enable you to quickly set up your IBM System x3850 X6 and x3950 X6 servers.

IBM Systems Director systems-management software is included.

**Note:** Software versions, features, and functions shipped with these systems may change as new releases become available or may be discontinued at any time.

The following publications are available immediately.

The *IBM System Types 3837 and 3839, x3850 X6 and x3950 X6 Installation and User's Guide*, and the *IBM System Types 3837 and 3839, x3850 X6 and x3950 X6 Problem Determination and Service Guide*, in US English versions, are available from our website

<http://www.ibm.com/support>

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### **IBM Publications Center Portal**

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The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided, as well as payment options via credit card. A large number of publications are available online in various file formats, which can currently be downloaded free of charge.

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## **Services**

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### **Global Technology Services®**

IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an on-demand business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for IBM and many non-IBM offerings. IBM is your one-stop shop for IT support needs.

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For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or visit

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For details on education offerings related to specific products, visit

<http://www.ibm.com/services/learning/index.html>

Select your country, and then select the product as the category.

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### **System x and BladeCenter® support services**

#### ***Recommended core technical support***

When you buy IBM System x technology, include the support services you need -- to help keep both your hardware and software working for you, day after day, at peak performance. It is your first step toward helping to protect your investment and sustain high levels of system availability. We offer service-level and response-

time options to fit your business needs. And we will help you get started with a core support package that includes:

- **Continuous system monitoring**

Electronic monitoring that helps speed up problem-solving with automated, early detection of potential problems and system errors.

- **Hardware maintenance**

World-class remote and on-site hardware problem determination and repair services.

- **Software technical support**

Access to help line calls for fast, accurate answers to your questions during installation and throughout ongoing operations.

For more information, visit

<http://www.ibm.com/servers/eserver/xseries/services.html>

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## Technical information

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### Specified operating environment

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#### *Physical specifications*

##### *IBM System x3837 X6 (4-Socket)*

	3837A4U
Processor	Xeon E7-4809 v2
Six-core	105w
Internal speed	1.90 GHz
Memory bus speed	1600 MHz
Number standard	1
Maximum	4
Interconnect speed	6.40 GT/s
L3 cache total	12 MB
Memory (PC3-12800 DDR3)	16 GB ECC
DIMMS	2 X 8 GB
DIMM sockets standard	24
DIMM sockets maximum	96
Capacity	6144 GB <sup>8</sup>
CPU/Memory expansion card	
Number standard	1
Maximum	4
Video	SVGA
Memory	16 MB
SAS controller	Optional
Ports	0
Connector internal	0
Connector external	0
HDD standard	0
Bays available	8 Standard
2.5-inch slim	8 Standard
Hot-swap	8 Standard
Internal capacity	12.8 TB <sup>9</sup>
PCIe sockets	1
Management processor IMM	Standard
RAID 0/1	Optional
Intel Ethernet Quad Port Server Adapter I350-T4 ML2	Standard
Power supply	1x900w
Number standard	1
Maximum	4
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes

## IBM System x3837 X6 (4-Socket)

3837B1U

Processor	Xeon E7-4820 v2
Eight core	105w
Internal speed	2.0 GHz
Memory bus speed	1600 MHz
Number standard	2
Maximum	4
Interconnect speed	6.40 GT/s
L3 cache total	16 MB
Memory (PC3-12800 DDR3)	32 GB ECC
DIMMS	4 X 8 GB
DIMM sockets standard	48
DIMM sockets maximum	96
Capacity	6144 GB <sup>8</sup>
Memory expansion card	
Number standard	2
Maximum	4
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	8 Standard
2.5-inch slim	8 Standard
Hot-swap	8 Standard
Internal capacity	12.8 TB <sup>9</sup>
PCIe sockets	7
Management processor IMM	Standard
RAID 0/1	Standard
ServerRAID M5210	Standard
Intel Ethernet Quad Port	Standard
Server Adapter I350-T4 ML2	
Power supply	2 x 900 W
Number standard	2
Maximum	4
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes

## IBM System x3837 X6 (4-Socket)

3837B3U

Processor	Xeon E7-4850 v2
Twelve core	105w
Internal speed	2.3 GHz
Memory bus speed	1600 MHz
Number standard	2
Maximum	4
Interconnect speed	7.2 GT/s
L3 cache total	24 MB
Memory (PC3-12800 DDR3)	32 GB ECC
DIMMS	4 X 8 GB
DIMM sockets standard	48
DIMM sockets maximum	96
Capacity	6144 GB <sup>8</sup>
Memory expansion card	
Number standard	2
Maximum	4
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	8 Standard
2.5-inch slim	8 Standard



Hot-swap	8 Standard
Internal capacity	12.8 TB <sup>9</sup>
PCIe sockets	3
Management processor IMM	Standard
RAID 0/1	Standard
ServeRAID M5210 b	Standard
Broadcom NetXtreme II ML2	Standard
Dual Port 10GbE SFP+	
Power supply	2 x 900 w
Number standard	2
Maximum	4
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes

#### IBM System x3837 X6 (4-Socket)

3837C1U

Processor	Xeon E7-4860 v2
Twelve core	130w
Internal speed	2.6 GHz
Memory bus speed	1600 MHz
Number standard	2
Maximum	4
Interconnect speed	8.0 GT/s
L3 cache total	30 MB
Memory (PC3-8500 DDR3)	32 GB ECC
DIMMS	4 X 8 GB
DIMM sockets standard	48
DIMM sockets maximum	96
Capacity	6144 GB <sup>8</sup>
Memory expansion card	
Number standard	2
Maximum	4
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	8 Standard
2.5-inch slim	8 Standard
Hot-swap	8 Standard
Internal capacity	12.8 TB <sup>9</sup>
PCIe sockets	3
Management processor IMM	Standard
RAID 0/1	Standard
ServeRAID M5210	Standard
Intel Ethernet Quad Port	Standard
Server Adapter I350-T4 ML2	
Power supply	2 x 900 w
Number standard	2
Maximum	4
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes

#### IBM System x3837 X6 (4-Socket)

3837C4U

Processor	Xeon E7-4890 v2
Fifteen core	155w
Internal speed	2.8 GHz
Memory bus speed	1600 MHz
Number standard	2
Maximum	4
Interconnect speed	8.0 GT/s
L3 cache total	37.5 MB
Memory (PC3-8500 DDR3)	32 GB ECC
DIMMS	4 X 8 GB

DIMM sockets standard	48
DIMM sockets maximum	96
Capacity	6144 GB <sup>8</sup>
Memory expansion card	
Number standard	2
Maximum	4
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	8 Standard
2.5-inch slim	8 Standard
Hot-swap	8 Standard
Internal capacity	12.8 TB <sup>9</sup>
PCIe sockets	3
Management processor IMM	Standard
RAID 0/1	Standard
ServeRAID M5210	Standard
Intel Ethernet Quad Port	Standard
Server Adapter I350-T4 ML2	
Power supply	2 x 900 W
Number standard	2
Maximum	4
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes

### IBM System x3837 X6 (8-Socket)

3837BAU

Processor	Xeon E7-8850v2
Twelve core	105w
Internal speed	2.3 GHz
Memory bus speed	1600 MHz
Number standard	4
Maximum	8
Interconnect speed	7.2 GT/s
L3 cache total	24 MB
Memory (PC3-8500 DDR3)	64 GB ECC
DIMMS	8 X 8 GB
DIMM sockets standard	96
DIMM sockets maximum	192
Capacity	12288 GB <sup>8</sup>
Memory expansion card	
Number standard	4
Maximum	8
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	16 Standard
2.5-inch slim	16 Standard
Hot-swap	16 Standard
Internal capacity	25.6 TB <sup>9</sup>
PCIe sockets	6
Management processor IMM	Standard
RAID 0/1	Standard
ServeRAID M5210	Standard
Intel Ethernet Quad Port	Standard
Server Adapter I350-T4 ML2	
Power supply	4 x 900 W
Number standard	4
Maximum	8
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes

## IBM System x3837 X6 (8-Socket)

3837CAU

Processor	Xeon E7-8870
Fifteen core	130w
Internal speed	2.30 GHz
Memory bus speed	1600 MHz
Number standard	4
Maximum	8
Interconnect speed	8.0 GT/s
L3 cache total	30 MB
Memory (PC3-12800 DDR3)	64 GB ECC
DIMMS	8 x 8 GB
DIMM sockets standard	96
DIMM sockets maximum	192
Capacity	12288 GB <sup>8</sup>
Memory expansion card	
Number standard	4
Maximum	8
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	16 Standard
2.5-inch slim	16 Standard
Hot-swap	16 Standard
Internal capacity	25.6 TB <sup>9</sup>
PCIe sockets	6
Management processor IMM	Standard
RAID 0/1	Standard
ServerRAID M5210	Standard
Intel Ethernet Quad Port	Standard
Server Adapter I350-T4 ML2	
Power supply	4 x 900 W
Number standard	4
Maximum	8
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes

## IBM System x3837 X6 (8-Socket)

3837CCU

Processor	Xeon E7-8890 v2
Fifteen core	155w
Internal speed	2.80 GHz
Memory bus speed	1600 MHz
Number standard	4
Maximum	8
Interconnect speed	8.0 GT/s
L3 cache total	37.5 MB
Memory (PC3-12800 DDR3)	64 GB ECC
DIMMS	8 x 8 GB
DIMM sockets standard	96
DIMM sockets maximum	192
Capacity	12288 GB <sup>8</sup>
Memory expansion card	
Number standard	4
Maximum	8
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	16 Standard

2.5-inch slim	16 Standard
Hot-swap	16 Standard
Internal capacity	25.6 TB <sup>9</sup>
PCIe sockets	6
Management processor IMM	Standard
RAID 0/1	Standard
ServerRAID M5210	Standard
Intel Ethernet Quad Port Server Adapter I350-T4 ML2	Standard
Power supply	4 x 900 w
Number standard	4
Maximum	8
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes

### IBM System x3837 X6 (4-Socket)

3837A7U

Processor	Xeon E7-4809 v2
Six core	105w
Internal speed	1.90 GHz
Memory bus speed	1600 MHz
Number standard	4
Maximum	4
Interconnect speed	6.40 GT/s
L3 cache total	12 MB
Memory (PC3-12800 DDR3)	1280 GB ECC
DIMMS	80 x 16 GB
eXFlash DIMMS	8 x 400 GB
DIMM sockets standard	96
DIMM sockets maximum	96
Capacity	6144 GB <sup>8</sup>
Memory expansion card	
Number standard	4
Maximum	4
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	8 Standard
2.5-inch slim	8 Standard
Hot-swap	8 Standard
Internal capacity	12.8 TB <sup>9</sup>
PCIe sockets	6
Management processor IMM	Standard
RAID 0/1	Standard
ServerRAID M5210	Standard
Intel Ethernet Quad Port Server Adapter I350-T4 ML2	Standard
Power supply	4 x 1400 w
Number standard	4
Maximum	4
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes
IBM FlashCache Storage Accel for Direct v2.x, Per Install w/3Yr S&S	

### IBM System x3837 X6 (4-Socket)

3837A8U

Processor	Xeon E7-4809 v2
Six core	105w
Internal speed	1.90 GHz
Memory bus speed	1600 MHz
Number standard	4
Maximum	4

Interconnect speed	6.40 GT/s
L3 cache total	12 MB
Memory (PC3-12800 DDR3)	1024 GB ECC
DIMMS	64 X 16 GB
exFlash DIMMS	4 X 200 GB
DIMM sockets standard	96
DIMM sockets maximum	96
Capacity	6144 GB <sup>8</sup>
Memory expansion card	
Number standard	4
Maximum	4
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	8 Standard
2.5-inch slim	8 Standard
Hot-swap	8 Standard
Internal capacity	12.8 TB <sup>9</sup>
PCIe sockets	6
Management processor IMM	Standard
RAID 0/1	Standard
ServeRAID M5210	Standard
Intel Ethernet Quad Port	Standard
Server Adapter I340-T4	
Power supply	4 x 1400 W
Number standard	4
Maximum	4
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes
IBM FlashCache Storage Accel for Direct v2.x, Per Install w/3Yr S&S	

#### IBM System x3837 X6 (4-Socket)

3837A9U

Processor	Xeon E7-4809 v2
Six core	105w
Internal speed	1.90 GHz
Memory bus speed	1600 MHz
Number standard	4
Maximum	4
Interconnect speed	6.40 GT/s
L3 cache total	12 MB
Memory (PC3-8500 DDR3)	1520 GB ECC
DIMMS	95 X 16 GB
exFlash DIMMS	1 X 400 GB
DIMM sockets standard	96
DIMM sockets maximum	96
Capacity	6144 GB <sup>8</sup>
Memory expansion card	
Number standard	4
Maximum	4
Video	SVGA
Memory	16 MB
SAS controller	ServerRAID-M5210 standard
Ports	8
Connector internal	2
Connector external	0
HDD standard	0
Bays available	8 Standard
2.5-inch slim	8 Standard
Hot-swap	8 Standard
Internal capacity	12.8 TB <sup>9</sup>
PCIe sockets	6
Management processor IMM	Standard
RAID 0/1	Standard
ServeRAID M5210	Standard

Intel Ethernet Quad Port Server Adapter I350-T4 ML2	Standard
Power supply	4 x 1400 w
Number standard	4
Maximum	4
Hot-swap	Yes
Redundant power	Standard
Auto-restart	Yes
IBM FlashCache Storage Accelerator for Virtual v2.x, Per Install w/3Yr S&S	

<sup>8</sup> Capacities are based on installation of the four compute books in a 4U system and eight compute book in a 8U system with twenty-four 64 GB DIMMs installed in each compute book.

<sup>9</sup> Capacities are based on installation of eight 1.6 TB 2.5-inch SAS SSDs in a 4U system and sixteen 1.6 TB 2.5-inch SAS SSDs in a 8U system. For the latest information on supported HDD options, visit

<http://www-03.ibm.com/servers/eserver/serverproven/compat/us/indexsp.html>

Supported video mode capabilities for the SVGA PCI controller:

windows 2003 (32- and 64-bit) and Linux (all distributions)

Resolution	Colors	Refresh Rate (Hz)
640 x 480 x 8	256	60, 72, 75, 85, 90, 100, 120, 160, 200
640 x 480 x 16	64K	60, 72, 75, 85, 90, 100, 120, 160, 200
640 x 480 x 32	16M	60, 72, 75, 85, 90, 100, 120, 160, 200
800 x 600 x 8	256	60, 70, 72, 75, 85, 90, 100, 120, 160, 200
800 x 600 x 16	64K	60, 70, 72, 75, 85, 90, 100, 120, 160, 200
800 x 600 x 32	16M	60, 70, 72, 75, 85, 90, 100, 120, 160
1024 x 768 x 8	256	60, 70, 72, 75, 85, 90, 100, 120, 140, 150, 160, 200
1024 x 768 x 16	64K	60, 70, 72, 75, 85, 90, 100, 120, 140, 150, 160, 200
1024 x 768 x 32	16M	60, 70, 72, 75, 85, 90, 100
1280 x 1024 x 8	256	60, 72, 75
1280 x 1024 x 16	64K	60, 72, 75
1280 x 1024 x 32	16M	60, 72, 75

### **Dimensions**

4U rack drawer:

- Width: 482 mm (18.98 in.)
- Depth: 804.1 mm (31.66 in.)
- Height: 172.8 mm (6.81 in.)
- Minimum configuration: 35.9 kg (79.2 lb)
- Typical configuration: 46.4 kg (102.3 lb)
- Maximum configuration: 54.7 kg (120.6 lb)

8U rack drawer:

- Width: 482 mm (18.98 in.)
- Depth: 804.1 mm (431.66 in.)
- Height: 350.6 mm (13.70 in.)
- Minimum configuration: 84.5 kg (186.3 lb)
- Typical configuration: 88.2 kg (194.5 lb)
- Maximum configuration: 110.0 kg (242.6 lb)

### **Electrical**

- 100 to 127 (nominal) V ac; 50 Hz or 60 Hz; System 35A (10A/PS max both 900W and 1400W)
- 200 to 240 (nominal) V ac; 50 Hz or 60 Hz; System 17A (5A/PS max 900W, 8A/PS max 1400W)
  - Minimum configuration idle: 0.125 kVA (one 900W power supply)
  - Low end configuration: 0.53 kVA
  - Typical configuration: 1.02 kVA
  - High end configuration: 1.74 kVA
  - Full/maximum configuration: 2.35 kVA
  - Design maximum: 3.58 kVA (four 1400W power supplies)
- Btu output:
  - Minimum configuration idle (1PS): 341 Btu/hr (100 watts)
  - Low end configuration: 1,706 Btu/hr (500 watts)
  - Typical configuration: 3,412 Btu/hr (1000 watts)
  - High end configuration: 5,800 Btu/hr (1700 watts)
  - Full/maximum configuration: 7,848 Btu/hr (2300 watts)
  - Design maximum (4PS): 12,096 Btu/hr (3545 watts)

**Note:** Power consumption and heat output vary depending on the number and type of optional features installed, the input line voltage, 900W or 1400W PS, and the power-management optional features in use.

### **DC Input electrical**

- -48V to -60V (nominal) V dc; System 32A (21.5A/PS max) Design maximum N+N configuration: 1.53 kVA (four 750 W dc power supplies)
- Btu output: Design maximum N+N configuration: 4,862 Btu/hr (1425 watts)
- Declared Noise Emission Level, idle: 6.3 bels

**Note:** The noise emission level stated is the declared (upper limit) sound power level, in bels, for a random sample of machines. All measurements made in accordance with ISO 7779 and reported in conformance with ISO 9296.

### **Standards**

IBM System x3850 X6 and x3950 X6 servers are intended for use as rack-drawer servers and are tested and designed to operate in a horizontal position.

These systems support or comply with the following standards:

- Multiprocessor Specification (MPS) 1.4
- Hardware-enabled to meet ISO 9241, Part 3

In addition to the above standards, they are compatible with the PCIe specification.

### **Equipment approvals and safety**

- FCC - Verified to comply with Part 15 of the FCC Rules, Class A
- Canada ICES-003, issue 4, Class A
- IEC/UL 60950-1, 2nd Edition
- CAN/CSA - C22.2 No. 60950-1-07 2nd Edition
- NOM-019<sup>10</sup>

<sup>10</sup> These servers are certified by the respective UL and NOM agencies.

## **Operating environment**

- Temperature:
  - 10.0°C to 35.0°C (50°F to 95°F) at 0 to 914 m (0 to 3,000 ft)
  - 10.0°C to 32.0°C (50°F to 90°F) at 914 to 2,133 m (3,000 to 7,000 ft)
- Relative humidity: 8% to 80%

## **Homologation**

This product is not certified for direct connection by any means whatsoever to interfaces of public telecommunications networks. Certification may be required by law prior to making any such connection. Contact an IBM representative or reseller for any questions.

## **Hardware requirements**

For attended installation of an operating system, this server requires a compatible:

- Keyboard
- Mouse
- Display

Unattended or remote installation may be performed without requiring some or all of these components. Review your unattended software installation program information for specific hardware configuration requirements.

For service, the servers require a compatible:

- Keyboard
- Mouse
- Display

When having the unit serviced, plan to have these components attached to your server either directly or indirectly via a console switch.

## **Software requirements**

### *Programming requirements*

The following network operating systems have been tested for compatibility with the IBM System x3850 X6 and x3950 X6 server.

### **Network operating systems**

- Microsoft :
  - Windows Server 2008 R2 (64-bit)
  - Microsoft Windows Server 2012 R2
  - Microsoft Windows Server 2012
- Linux :
  - SUSE LINUX Enterprise Server 11 for AMD64/EM64T
  - SUSE LINUX Enterprise Server 11 with Xen for AMD64/E
  - Red Hat Enterprise Linux 6 Server x64 Edition
- Other:
  - VMware vSphere 5.5 (ESXi)
  - VMware vSphere 5.1 (ESXi)



**Note:** For information on additional support, certification, and versions of network operating systems, visit

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

IBM makes no representation or warranty regarding third-party products, including those designated as ServerProven.

### **Compatibility**

The IBM System x3850 X6 and x3950 X6 servers contain licensed system programs that include set configuration, set features, and test programs. IBM system BIOS is loaded from a "flash" EEPROM into system memory. This BIOS provides instructions and interfaces designed to support the standard features of the IBM System x3850 X6 and x3950 X6 servers and to maintain compatibility with many current software programs.

For detailed information about IBM and non-IBM devices, adapters, software, and network operating systems supported with IBM System x3850 X6 and x3950 X6 servers, visit

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

Contact your IBM representative or IBM Business Partner, or refer to the *IBM Sales Manual* for information on the compatibility of hardware and software for IBM Systems x3850 X6 and x3950 X6 servers. The *Sales Manual* is updated periodically as new features and options are announced that support these servers.

### **Limitations**

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Refer to Options Flier for details on limitations, code levels, and other information.

### **Memory**

The IBM System x3850 X6 and x3950 X6 servers are shipped with either 8 GB or 16 GB high-speed PC3-12800 DDR3 ECC memory standard, supporting up to 12 TB (with 64 GB DIMM) of system memory per server in standard models, and up to 1520 GB of system memory per server in the x3850 X6 Flash Models. All supported system memory is addressable through direct memory access (DMA). This server supports 4 GB, 8 GB, 16 GB, 32 GB, and 64 GB 1.35 V, 240-pin, PC3-12800 ECC DDR3 SDRAM RDIMMs. Supported DIMMs can coexist in the same server; however, memory DIMMs of the same capacity must be installed in matched pairs. Refer to the [Planning information](#) section or the IBM System x3850 X6 or x3950 X6 server web page for memory options.

The IBM System x3850 X6 and x3950 X6 servers have RAID 0 and RAID 1 standard. The ServerRAID M5210 SAS/SATA Controller provides additional RAID levels.

### *ServerGuide*

Use the version of *ServerGuide* available on the web to load software and drivers. Earlier versions of *ServerGuide* may not be compatible with the servers.

### **Solid-state drives (SSDs)**

Solid-state memory cells have an intrinsic, finite number of program/erase cycles that each cell can incur. As a result, each solid-state device has a maximum amount of program/erase cycles to which it can be subjected, documented as Total Bytes Written (TBW) or Drive Writes Per Day (DWPD). IBM's warranty for the device is limited to drives that have not reached the maximum guaranteed number of program/erase cycles, as demonstrated in the table below. A drive that reaches this limit may fail to operate according to its specifications. Additional information is available at

<http://www-03.ibm.com/systems/x/options/storage/solidstate/index.html>

The following list describes some product limitations:

S3700 200 GB SATA 1.8-inch MLC Enterprise SSD for IBM System x

- Maximum warranted drive writes per drive is 9.8 Full Drive Writes per day for five years or 3.58 PB TBW on the 200 GB SATA SSD depending on workload and data patterns.

S3700 400 GB SATA 1.8-inch MLC Enterprise SSD for IBM System x

- Maximum warranted drive writes per drive is 10 Full Drive Writes per day for five years or 7.30 PB TBW on the 400 GB SATA SSD depending on workload and data patterns.

S3700 200 GB SATA 2.5-inch MLC G3HS Enterprise SSD for IBM System x

- Maximum warranted drive writes per drive is 10 Full Drive Writes per day for five years or 3.65 PB TBW on the 200 GB SATA SSD depending on workload and data patterns.

S3700 400 GB SATA 2.5-inch MLC G3HS Enterprise SSD for IBM System x

- Maximum warranted drive writes per drive is 10 Full Drive Writes per day for five years or 7.30 PB TBW on the 400 GB SATA SSD depending on workload and data patterns.

S3700 800 GB SATA 2.5-inch MLC G3HS Enterprise SSD for IBM System x

- Maximum warranted drive writes per drive is 10 Full Drive Writes per day for five years or 14.60 PB TBW on the 800 GB SATA SSD depending on workload and data patterns.

IBM 200 GB SAS 2.5-inch MLC G3HS Enterprise SSD

- Maximum warranted drive writes per drive is 10 Full Drive Writes per day for five years or 3.65 PB TBW on the 200 GB SAS SSD depending on workload and data patterns.

IBM 400 GB SAS 2.5-inch MLC G3HS Enterprise SSD

- Maximum warranted drive writes per drive is 10 Full Drive Writes per day for five years or 7.30 PB TBW on the 400 GB SAS SSD depending on workload and data patterns.

IBM 800 GB SAS 2.5-inch MLC G3HS Enterprise SSD

- Maximum warranted drive writes per drive is 10 Full Drive Writes per day for five years or 14.6 PB TBW on the 800 GB SAS SSD depending on workload and data patterns.

IBM 1.6 TB SAS 2.5-inch MLC G3HS Enterprise SSD

- Maximum warranted drive writes per drive is 10 Full Drive Writes per day for five years or 29.2 PB TBW on the 1.6 TB SAS SSD depending on workload and data patterns.

Limitations on x3650 M4 Machine Type 7915 Limited Offering; Supported CPUs:

- 46W4374 Intel Xeon Processor E5-2697 v2 12C 2.7GHz 30MB Cache 1866MHz 130W
- 46W4377 Intel Xeon Processor E5-2690 v2 10C 3.0GHz 25MB Cache 1866MHz 130W
- 46W4372 Intel Xeon Processor E5-2667 v2 8C 3.3GHz 25MB Cache 1866MHz 130W
- 46W4371 Intel Xeon Processor E5-2643 v2 6C 3.5GHz 25MB Cache 1866MHz 130W

Supported Memory DIMM:

- 00D5048 16GB (1x16GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866MHz LP RDIMM

Supported Network Adapter:

- 49Y7980 49Y7981 Intel X520 Dual Port 10 GbE SFP+ Embedded Adapter for IBM System x

Supported OS:

- RHEL 6.4 (64-bit) **only**

**Note:** Unique uEFI and IMM FW updates required.

## **Planning information**

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### ***Customer responsibilities***

#### ***IBM System x3850 X6 and x3950 X6 Server and related options***

The IBM System x3850 X6 and x3950 X6 servers for System x are designated as customer setup. Customer setup instructions are shipped with systems.

### **Configuration information**

#### ***Bay configuration***

The IBM System x3850 X6 and x3950 X6 servers contain eight customer-accessible drive bays on the front of the server. Eight unpopulated 2.5-inch, slim-high, hot-swap drive bays are located here.

#### ***Internal SCSI cabling***

Models of the IBM System x3850 X6 and x3950 X6 servers contain a DASD backplane supporting four hot-swap, SCA-2-compliant drive bays. The IBM System x3850 X6 and x3950 X6 models with the BR-10i controller support RAID 0 and RAID 1 standard. The optional ServeRAID-5210 SAS/SATA Controller provides additional RAID levels.

#### ***Processor upgrade***

The following processor upgrade options are supported:

- E7-4809V2 X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W (44X3961)
- E7-4820V2 X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHz 105W (44X3966)
- E7-4830V2 X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHz 105W (44X3971)
- E7-4850V2 X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHz 105W (44X3976)
- E7-4860V2 X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHz 130W (44X3981)
- E7-4870V2 X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHz 130W (44X3986)
- E7-4880V2 X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHz 130W (44X3991)
- E7-4890V2 X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHz 155W (44X3996)
- E7-8850V2 X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHz 105W (44X4001)

- E7-8893V2 X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHz 155W (44X4006)
- E7-8870V2 X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHz 130W (44X4011)
- E7-8880V2 X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W (44X4016)
- E7-8890V2 X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHz 155W (44X4021)
- E7-8891V2 X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHz 155W (44X4026)
- E7-8857V2 X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHz 130W (44X4031)
- E7-8880-LV2 X6 ComputeBook Intel Xeon Processor E7-8880L v2 15C 2.2GHz 105W (44X4036)

**Note:** The compute book is preinstalled with the processor option selected, and pricing will reflect the total cost of the processor and the modular compute book.

### **Memory support**

The following memory options are supported:

- 4GB (2Gb, 1Rx4, 1.35V) PC3-12800 DDR3 1600MHz LP RDIMM (00D5023)
- 8GB (4Gb, 1Rx4, 1.35V) PC3-12800 DDR3 1600MHz LP RDIMM (00D5035)
- 16GB (4Gb, 2Rx4, 1.35V) PC3-12800 DDR3 1600MHz LP RDIMM (46W0671)
- 32GB (4Gb, 4Rx4, 1.35V) PC3-12800 DDR3 1600MHz LP LR-DIMM (46W0675)
- 64GB (4Gb, 8Rx4, 1.35V) PC3-10600 DDR3 1333MHz LP LR-RDIMM (46W0740)

Memory DIMMs should be plugged in and arranged in order of size. When plug order moves to new DIMM numbers, start with the compute book with the smallest total amount.

**Note:** Refer to details on the ServerProven Plan for memory supported in x3850 X6 and x3950 X6. Refer to the *Installation and Service Guide* for rules on how to populate the memory, visit

<http://www-03.ibm.com/systems/info/x86servers/serverproven/compat/us/>

### **PCIe adapter installations**

The IBM System x3850 X6 and x3950 X6 servers contain PCIe architecture and up to twenty-two 5.0 Gb PCIe I/O (up to twelve x16, with ten x8, or up to fourteen x8 with eight x16) sockets.

### **Rack installations**

IBM System x3850 X6 and x3950 X6 4U, rack-drawer models are designed to be installed in a 19-inch rack cabinet designed for 26-inch deep devices, such as the NetBAY42 ER, NetBAY42 SR, NetBAY25 SR, or NetBAY11.

If using a non-IBM rack, the cabinet must meet the EIA-310-D standards with a depth of at least 71.1 cm (28 in.). Also, adequate space (approximately 5 cm (2 in.) for the front bezel and 2.5 cm (1 in.) for air flow) must be maintained from the slide assembly to the front door of the rack cabinet to allow sufficient space for the door to close and provide adequate air flow.

**Power considerations** The IBM System x3850 X6 supports a mix of up to four 900-watt or 1400-watt, voltage sensing power supplies (or exactly four 750-watt DC power supplies) and the x3950 X6 models support up to eight 900-watt or 1400-watt, voltage sensing power supplies (or exactly eight 750-watt DC power supplies). All power supplies are rear access hot-swap power supplies in both the x3850 X6 and the x3950 X6 chassis.

## **Cable orders**

The 10/100/1000 Mbps full-duplex, Dual Ethernet PCIe controller is standard with the x3950 X5 servers. The RJ-45 connectors provide a 10BASE-T or 100/1000BASE-TX interface for connecting twisted-pair cable to the Ethernet network. Cabling is not included with the server. To connect the Ethernet controller to a repeater or switch, use a UTP cable with RJ-45 connectors at both ends. For 100/1000 Mbps operation, Category 5 cabling must be used. For 10 Mbps operation, Category 3, or better, cabling must be used.

There are no additional cabling requirements, other than for system power, keyboard, mouse, and monitor connections.

## **Installability**

The IBM System x3850 X6 and x3950 X6 server requires about 40 minutes for installation. Installation includes unpacking, setting up, and powering on the system.

## **Packaging**

Product	Shipment group	Number of boxes
IBM System x3850 X6, IBM System x3950 X6	System unit carton Contents:  System unit Rack kits (two sets): Rails Cable management hardware	1
	Country kit carton	1

Country kit carton contents:

- Four 2.8 m 220 V intra-rack cables
- Safety booklet
- CD-ROM Packages
- IBM Systems Director
- Active Energy Manager
- On/off switch cover

The IBM System x3850 X6 and x3950 X6 systems are shipped as a single package. The country kit carton is contained inside the top portion of the system unit carton, while the rack components are contained in the system unit carton.

The following publications will be available on the support website and on the Documentation CD.

The *IBM System Types 3837 and 3839, x3850 X6 and x3950 X6 Installation and User's Guide*, and the *IBM System Types 3837 and 3839, x3850 X6 and x3950 X6 Problem Determination and Service Guide*, in US English versions, are available from our website.

The *Warranty Information* publication will be available as a hardcopy publication at

<http://www.ibm.com/support>

## **Related options**

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### **Processor upgrades**

- Xeon processor

- Installation publications/warranty

## **Security, auditability, and control**

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Security and auditability features include:

- Power-on and privileged access password functions provide controls of who has access to the data and server setup program on the server.
- A set unattended boot mode allows the system keyboard to be locked to all entries except the password and at the same time allows other computers on the network to access the system disk drive.
- A selectable boot sequence can be used to prevent unauthorized installation of software or removal of data from the diskette drive.
- These servers are Winbond Trusted Platform Module V1.2, Trusted Computing Group (TCG) compliant.

### **Limitations**

The x3850 X6 and x3950 X6 servers have no security intrusion detection; therefore, they should be installed in a rack environment that provides security through lockable doors or other security measures. It is a customer's responsibility to ensure that the server is secure to protect sensitive data.

The system supports integrity measurements. The TPM is TCG V1.2-compliant, and is ready for use with software purchased from third-party TPM Ecosystem partners in compliance with the TPM V1.2 specification.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

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## **Terms and conditions**

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### **IBM Global Financing**

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Yes

### **IBM System x3850 X6 and x3950 X6**

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To obtain copies of the IBM Statement of Limited Warranty, contact your reseller or IBM.

In the United States, call 800-IBM-SERV (426-7378), or write to:

Warranty Information  
P.O. Box 12195  
Research Triangle Park, NC 27709  
Attn: Dept JDJA/B203

### **Warranty period**

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- System x3837 - Three years
- Optional features - One year

**Note:** For configurations that support the RAID Battery, the RAID battery will be warranted for one year effective on its Date of Installation. All other product warranty terms for the machine remain unchanged.

An IBM part or feature installed during the initial installation of an IBM machine is subject to a full warranty effective on the date of installation of the machine. An IBM part or feature which replaces a previously installed part or feature assumes the remainder of the warranty period for the replaced part or feature. An IBM part or feature added to a machine without replacing a previously installed part or feature

is subject to a full warranty effective on its date of installation. Unless specified otherwise, the warranty period, type of warranty service, and service level of a part or feature is the same as the machine it is installed.

The following have been designated as consumables or supply items and are, therefore, not covered by this warranty:

- ServeRAID SAS controller battery
- Raid Battery

### **Warranty service**

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If required, IBM provides repair or exchange service, depending on the type of warranty service specified below for the machine. IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM website. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. Service levels are response-time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations. Additional charges may apply outside IBM's normal service area. Contact your local IBM representative or your reseller for country- and location-specific information.

The type of service is Customer Replaceable Unit (for example, keyboard, mouse, speaker, memory, or hard disk drive) Service and On-site Service.

### **Customer Replaceable Unit (CRU) Service**

IBM provides a replacement CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM at any time on your request. A CRU is designated as being either a Tier 1 (mandatory) or a Tier 2 (optional) CRU. Installation of Tier 1 CRUs, as specified in this announcement, is your responsibility. If IBM installs a Tier 1 CRU at your request, you will be charged for the installation. You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge, under the type of warranty service designated for your machine.

Based upon availability, a CRU will be shipped for next-business-day (NBD) delivery. IBM specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned to IBM. When return is required, return instructions and a container are shipped with the replacement CRU, and you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

The following parts have been designated as Tier 1 CRUs:

- Battery 3.0 Volt CMOS
- Op panel card
- 750W PS
- 900W PS
- 1400W PS
- PDU power cord
- 60 mm compute book fan
- 60 mm Primary I/O Book fan
- Sys bezel
- Rail kit
- Shipping bracket
- Filler kit

- Label kit
- SAS data cable
- Memory DIMMs
- Hard disk drives
- Ethernet adapter
- RAID card
- Compute Book
- Storage Book
- Half-Length I/O Book
- Full-Length I/O Book
- Primary I/O Book

### ***On-site Service***

At IBM's discretion you will receive CRU service or IBM or your reseller will repair the failing machine at your location and verify its operation. If required, On-site Repair is provided, 9 hours per day, Monday through Friday excluding holidays, NBD response. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose. On-site Service is not available in all countries, and some countries have kilometer or mileage limitations from an IBM service center. In those locations where On-site Service is not available, the normal in-country service delivery is used.

Call IBM at 1-800-IBM-SERV (426-7378) to assist with problem isolation for hardware to determine if warranty service is required. Telephone support may be subject to additional charges, even during the limited warranty period.

Calls must be received by 5:00 p.m. local time in order to qualify for NBD service.

### ***International Warranty Service (IWS)***

IWS is available in selected countries or regions.

The warranty service type and the service level provided in the servicing country may be different from that provided in the country in which the machine was purchased.

Under IWS, warranty service will be provided with the prevailing warranty service type and service level available for the IWS-eligible machine type in the servicing country, and the warranty period observed will be that of the country in which the machine was purchased.

To determine the eligibility of your machine and to view a list of countries where service is available, visit

<http://www-947.ibm.com/support/entry/portal/docdisplay?Indocid=GCOR-3FBJK2>

For more information on IWS, refer to Services Announcement [601-034](#), dated September 25, 2001.

### ***Licensing***

Programs included with this product are licensed under the terms and conditions of the License Agreements that are shipped with the system.

### ***Maintenance services***

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#### ***ServicePac®, ServiceSuite®, ServiceElect, and ServiceElite***

ServicePac, ServiceSuite, ServiceElect, and ServiceElite provide hardware warranty service upgrades, maintenance, and selected support services in one agreement.



### **Warranty service upgrade**

During the warranty period, a warranty service upgrade provides an enhanced level of On-site Service for an additional charge. A warranty service upgrade must be purchased during the warranty period and is for a fixed term (duration). It is not refundable or transferable and may not be prorated. If required, IBM will provide the warranty service upgrade enhanced level of On-site Service acquired by the customer. Service levels are response-time objectives and are not guaranteed.

IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM website. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts.

CRUs will be provided as part of the machine's standard warranty CRU Service except that you may install a Tier 1 CRU yourself or request IBM installation, at no additional charge, under one of the On-site Service levels specified below.

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

### **Maintenance service**

If required, IBM provides repair or exchange service, depending on the type of maintenance service specified below for the machine. IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM website. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. Service levels are response-time objectives and are not guaranteed.

#### *CRU Service*

If your problem can be resolved with a CRU (for example, keyboard, mouse, speaker, memory, or hard disk drive), IBM will ship the CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM at any time on your request.

IBM specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned to IBM. When return is required, return instructions and a container are shipped with the replacement CRU, and you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

#### *On-site Service*

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

### **Maintenance service (ICA)**

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Maintenance services are available for ICA legacy contracts.

### ***Alternative service (warranty service upgrades)***

During the warranty period, a warranty service upgrade provides an enhanced level of On-site Service for an additional charge. A warranty service upgrade must be purchased during the warranty period and is for a fixed term (duration). It is not refundable or transferable and may not be prorated. If required, IBM will provide the warranty service upgrade enhanced level of On-site Service acquired by the customer. Service levels are response-time objectives and are not guaranteed.

IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM website. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts.

A CRU will be provided as part of the machine's standard warranty CRU Service except that you may install a Tier 1 CRU yourself or request IBM to install it, at no additional charge, under the type of warranty service designated for your machine.

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

### ***Maintenance service***

If required, IBM provides repair or exchange service, depending on the type of maintenance service specified below for the machine. IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM website. Certain machines contain remote support capabilities for direct problem reporting, remote problem determination, and resolution with IBM. You must follow the problem determination and resolution procedures that IBM specifies. Following problem determination, if IBM determines On-site Service is required, scheduling of service will depend upon the time of your call, machine technology and redundancy, and availability of parts. Service levels are response-time objectives and are not guaranteed.

#### *CRU Service*

If your problem can be resolved with a CRU (for example, keyboard, mouse, speaker, memory, or hard disk drive), IBM will ship the CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM at any time on your request.

IBM specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned to IBM. When return is required, return instructions and a container are shipped with the replacement CRU, and you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

#### *On-site Service*

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

### ***Non-IBM parts support***

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#### ***Warranty service***

IBM is now shipping machines with selected non-IBM parts that contain an IBM field replaceable unit (FRU) part number label. These parts are to be serviced during the IBM machine warranty period. IBM is covering the service on these selected

non-IBM parts as an accommodation to its customers, and normal warranty service procedures for the IBM machine apply.

***Warranty service upgrades and maintenance services***

Under certain conditions, IBM Integrated Technology Services repairs selected non-IBM parts at no additional charge for machines that are covered under warranty service upgrades or maintenance services.

IBM Service provides hardware problem determination on non-IBM parts (for example, adapter cards, PCMCIA cards, disk drives, or memory) installed within IBM machines covered under warranty service upgrades or maintenance services and provides the labor to replace the failing parts at no additional charge.

If IBM has a Technical Service Agreement with the manufacturer of the failing part, or if the failing part is an accommodations part (a part with an IBM FRU label), IBM may also source and replace the failing part at no additional charge. For all other non-IBM parts, customers are responsible for sourcing the parts. Installation labor is provided at no additional charge, if the machine is covered under a warranty service upgrade or a maintenance service.

***IBM hourly service rate classification***

One

***Field-installable features***

Yes

***Model conversions***

No

***Machine installation***

Customer setup. Customers are responsible for installation according to the instructions IBM provides with the machine.

***Graduated program license charges apply***

No

***Licensed Internal Code and Licensed Machine Code***

This product does not contain Licensed Internal Code or Licensed Machine Code.

***Educational allowance***

None

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**Prices**

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For current prices, contact IBM at 888-Shop-IBM (746-7426) or visit

<http://www-03.ibm.com/systems/x/>

To locate the web price, search on the feature number in the Search field.

Description	SEO Number	Initial/ MES/	
		Both/ Support	RP CSU MES
IBM System x3850 X6 (4-Socket)	3837A4U	Both	Yes
	3837B1U	Both	Yes
	3837B3U	Both	Yes
	3837C1U	Both	Yes
	3837C4U	Both	Yes
IBM system x3850 M4 (4-socket Flash DIMM Models)	3837A7U	Both	Yes
	3837A8U	Both	Yes
	3837A9U	Both	Yes
IBM System x3950 X6 (8-Socket)	3837BAU	Both	Yes
	3837CAU	Both	Yes
	3837CCU	Both	Yes

#### Options

Description	Part number
Intel X540 ML2 Dual Port 10Gbaset Adapter for IBM System x	00D1994
Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter for IBM System x	00D1996
Intel I350-T4 ML2 Quad Port GbE Adapter for IBM System x	00D1998
Broadcom NetXtreme II ML2 Dual Port 10Gbaset for IBM System x	00D2026
Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+ for IBM System x	00D2028
Emulex VFA5 ML2 FCoE/iSCSI License for IBM System x (FoD)	00D8544
IBM exFlash 200GB DDR3 Storage DIMM	00FE000
IBM exFlash 400GB DDR3 Storage DIMM	00FE005
IBM 900GB 10K 6Gbps SAS 2.5" G3HS HDD	00AJ071
IBM 900GB 10K 6Gbps SAS 2.5" G3HS SED	00AJ076
IBM 300GB 15K 6Gbps SAS 2.5" G3HS HDD	00AJ081
IBM 1TB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	00AJ086
IBM 600GB 10K 6Gbps SAS 2.5" G3HS HDD	00AJ091
IBM 300GB 10K 6Gbps SAS 2.5" G3HS HDD	00AJ096
IBM 600GB 10K 6Gbps SAS 2.5" G3HS SED	00AJ101
IBM 300GB 10K 6Gbps SAS 2.5" G3HS SED	00AJ106
IBM 146GB 15K 6Gbps SAS 2.5" G3HS HDD	00AJ111
IBM 146GB 15K 6Gbps SAS 2.5" G3HS SED	00AJ116
IBM 500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD	00AJ121
IBM 250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	00AJ131
IBM 500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	00AJ136
IBM 1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD	00AJ141
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS HDD	00AJ146
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS SED	00AJ151
S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	00AJ156
S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	00AJ161
S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x	00AJ166
IBM 200GB SAS 2.5" MLC G3HS Enterprise SSD	00AJ207
IBM 400GB SAS 2.5" MLC G3HS Enterprise SSD	00AJ212

IBM 800GB SAS 2.5" MLC G3HS Enterprise SSD	00AJ217
IBM 1.6TB SAS 2.5" MLC G3HS Enterprise SSD	00AJ222
X6 Half-length I/O Book	44X4049
X6 Full-length I/O Book	44X4051
4x 2.5" HDD Riser	44X4104
x3850 X6 Shipping Bracket	44X4130
1.8" SSD drive bay	44X4106
IBM 900W Power Supply	44X4132
IBM 1400W HE Redundant Power Supply for altitudes >5000 meters	44X4150
IBM 1400W HE Redundant Power Supply	44X4152
32GB (1x32GB, 4Rx4, 1.35V)PC3L-12800 CL11 ECC DDR3 1600MHZ LP LRDIMM	46W0676
64GB (1x64GB, 8Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHZ LP LRDIMM	46W0741
X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHZ 105W	44X3961
X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHZ 105W	44X3966
X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHZ 105W	44X3971
X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHZ 105W	44X3976
X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHZ 130W	44X3981
X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHZ 130W	44X3986
X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHZ 130W	44X3991
X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHZ 155W	44X3996
X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHZ 105W	44X4001
X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHZ 155W	44X4006
X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHZ 130W	44X4011
X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHZ 130W	44X4016
X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHZ 155W	44X4021
X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHZ 155W	44X4026
X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHZ 130W	44X4031
X6 Compute Book Intel Xeon Processor E7-8880L v2 15C 2.2GHZ 105W	44X4036
Broadcom NetXtreme II ML2 Dual Port Adapter 10 GbE SFP+ for IBM System x	00D2028
Broadcom NetXtreme II ML2 Dual Port 10 GbaseT Adapter for IBM System x	00D2026
Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter for IBM System x	00D1996
Emulex VFA5 ML2 FCoE/iSCSI License for IBM System x (FoD)	00D8544
Intel X540 ML2 Dual Port 10GbaseT Adapter for IBM System x	00D1994
Intel I350-T4 ML2 Quad Port GbE Adapter for IBM System x	00D1998

The following are features already announced for the 3331 machine type:

Initial/

Description	Model Number	Feature Number	MES/ Both/ Support CSU
32GB (1x32GB, 4Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHZ LP LRDIMM	HC1	A3SR	MES
Intel X540 ML2 Dual Port 10Gbaset Adapter for IBM System x	HC1	A40P	MES
Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter for IBM System x	HC1	A40Q	MES
Intel I350-T4 ML2 Quad Port GbE Adapter for IBM System x	HC1	A40R	MES
Broadcom NetXtreme II ML2 Dual Port 10Gbaset for IBM System x	HC1	A40S	MES
Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+ for IBM System x	HC1	A40T	MES
64GB (1x64GB, 8Rx4, 1.35V) PC3L-10600 DDR3 1333MHZ LP LRDIMM	HC1	A451	MES
X6 Half-length I/O Book	HC1	A4A2	MES
X6 Full-length I/O Book	HC1	A4A3	MES
4x 2.5" HDD Riser	HC1	A4A6	MES
1.8" SSD drive bay	HC1	A4A7	MES
Addl X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHZ 105W	HC1	A4B3	MES
Addl X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHZ 105W	HC1	A4B4	MES
Addl X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHZ 105W	HC1	A4B5	MES
Addl X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHZ 105W	HC1	A4B6	MES
Addl X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHZ 130W	HC1	A4B7	MES
Addl X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHZ 130W	HC1	A4B8	MES
Addl X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHZ 130W	HC1	A4B9	MES
Addl X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHZ 155W	HC1	A4BA	MES
Addl X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHZ 105W	HC1	A4BB	MES
Addl X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHZ 155W	HC1	A4BC	MES
Addl X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHZ 130W	HC1	A4BD	MES
Addl X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHZ 130W	HC1	A4BE	MES
Addl X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHZ 155W	HC1	A4BF	MES
Addl X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHZ 155W			

	HC1	A4BG	MES	
Addl X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHz 130W				
	HC1	A4BH	MES	
Addl X6 ComputeBook Intel Xeon Processor E7-8880L v2 15C 2.2GHz 105W				
	HC1	A4BJ	MES	
IBM exFlash 200GB DDR3 Storage DIMM				
	HC1	A4GX	MES	
IBM exFlash 400GB DDR3 Storage DIMM				
	HC1	A4GY	MES	
Emulex VFA5 ML2 FCoE/iSCSI License for IBM System x (FOD)				
	HC1	A4NZ	MES	
IBM 900w Power Supply				
	HC1	A4R0	MES	
IBM 300GB 10K 6Gbps SAS 2.5" G3HS HDD				
	HC1	A4TL	MES	
IBM 600GB 10K 6Gbps SAS 2.5" G3HS HDD				
	HC1	A4TM	MES	
IBM 900GB 10K 6Gbps SAS 2.5" G3HS HDD				
	HC1	A4TN	MES	
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS HDD				
	HC1	A4TP	MES	
IBM 146GB 15K 6Gbps SAS 2.5" G3HS HDD				
	HC1	A4TQ	MES	
IBM 300GB 15K 6Gbps SAS 2.5" G3HS HDD				
	HC1	A4TR	MES	
IBM 500GB 7.2K 6Gbps NL SAS 2.5" G3HS HDD				
	HC1	A4TT	MES	
IBM 1TB 7.2K 6Gbps NL SAS 2.5" G3HS HDD				
	HC1	A4TU	MES	
IBM 250GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD				
	HC1	A4TV	MES	
IBM 500GB 7.2K 6Gbps NL SATA 2.5" G3HS HDD				
	HC1	A4TW	MES	
IBM 1TB 7.2K 6Gbps NL SATA 2.5" G3HS HDD				
	HC1	A4TX	MES	
IBM 300GB 10K 6Gbps SAS 2.5" G3HS SED				
	HC1	A4TY	MES	Yes
IBM 600GB 10K 6Gbps SAS 2.5" G3HS SED				
	HC1	A4TZ	MES	Yes
IBM 900GB 10K 6Gbps SAS 2.5" G3HS SED				
	HC1	A4U0	MES	Yes
IBM 1.2TB 10K 6Gbps SAS 2.5" G3HS SED				
	HC1	A4U1	MES	Yes
IBM 146GB 15K 6Gbps SAS 2.5" G3HS SED				
	HC1	A4U2	MES	Yes
S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x				
	HC1	A4U3	MES	
S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x				
	HC1	A4U4	MES	
S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x				
	HC1	A4U5	MES	
IBM 200GB SAS 2.5" MLC G3HS Enterprise SSD				
	HC1	A4UA	MES	
IBM 400GB SAS 2.5" MLC G3HS Enterprise SSD				
	HC1	A4UB	MES	
IBM 800GB SAS 2.5" MLC G3HS Enterprise SSD				
	HC1	A4UC	MES	
IBM 1.6TB SAS 2.5" MLC G3HS Enterprise SSD				
	HC1	A4UD	MES	
IBM 1400w HE Redundant Power Supply for altitudes >5000 meters				
	HC1	A54D	MES	
IBM 1400w HE Redundant Power Supply				

eX6 Shipping Bracket	HC1	A54E	MES
	HC1	A55G	MES



The following are newly announced features on the specified models of the IBM xSeries 3837 machine type:

Description	Model Number	Feature Number	Initial/MES/Both/Support	CSU
IBM System x3850 X6				
	AC1			Yes
IBM System x3950 X6				
	AC2			Yes
IBM System x3850 X6				
	AC3			Yes
IBM System x3950 X6				
	AC4			Yes
IBM System x3850 X6				
	AC5			Yes
IBM System x3850 X6				
	AC6			Yes
IBM System x3850 X6				
	AC7			Yes
IBM System x3850 X6				
	MC1			Yes
IBM System x3950 X6				
	MC2			Yes
QLogic 10Gb SFP+ SR Optical Transceiver				
	AC1	0064	Initial	
	AC2		Initial	
	AC3		Initial	
	AC4		Initial	
	AC5		Initial	
	AC6		Initial	
	AC7		Initial	
	MC1		Initial	
	MC2		Initial	
Brocade 10Gb SFP+ SR Optical Transceiver				
	AC1	0069	Initial	
	AC2		Initial	
	AC3		Initial	
	AC4		Initial	
	AC5		Initial	
	AC6		Initial	
	AC7		Initial	
	MC1		Initial	
	MC2		Initial	
UID Asset Tag Label				
	AC1	0747	Initial	
	AC2		Initial	
	AC3		Initial	
	AC4		Initial	
	AC5		Initial	
	AC6		Initial	
	AC7		Initial	
	MC1		Initial	
	MC2		Initial	
Brocade 10Gb CNA for IBM System x				
	AC1	1637	Initial	
	AC2		Initial	
	AC3		Initial	
	AC4		Initial	
	AC5		Initial	
	AC6		Initial	
	AC7		Initial	
	MC1		Initial	
	MC2		Initial	

EMEA Long Leadtime Configurations			
	AC1	1763	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Hungary CHW plant 9SH			
	AC1	1764	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Guad CHW plant 9KQ			
	AC1	1765	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ISTC CHW 9K2			
	AC1	1766	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
RTP CHW 9NR			
	AC1	1767	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Offload Manufacturing to Guadalajara HVEC			
	AC1	1768	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Offload Manufacturing to RTP HVEC			
	AC1	1769	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Offload Manufacturing to ISTC			
	AC1	1770	Initial
	AC2		Initial
	AC3		Initial

	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Routing for AP Foxconn			
	AC1	1771	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Capacity Scheduling Service			
	AC1	1772	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom SLA Scheduling Service			
	AC1	1796	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom Asset Tagging - Standard			
	AC1	2200	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom Asset Tagging - Enhanced			
	AC1	2201	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom Image Load - Server			
	AC1	2204	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom Media Shipgroup			
	AC1	2206	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial

	MC1		Initial
	MC2		Initial
Request for Global Trade Number (UPC or EAN)	AC1	2207	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom Software/Firmware Setting - Standard	AC1	2208	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom Software/Firmware Setting - Enhanced	AC1	2209	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom RAID Configuration	AC1	2212	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom Unit Carton Label	AC1	2220	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Custom Palletization	AC1	2221	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Request for a new Vendor Logo Hardware	AC1	2247	NC Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Request for a Classic RPQ	AC1	2248	Initial

	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Request for an existing Public RPQ			
	AC1	2249	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
RAID Configuration			
	AC1	2302	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack Installation >1U Component			
	AC1	2306	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Department of Defense UID Label			
	AC1	2320	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array 2 HDDs			
	AC1	2411	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array 3 HDDs			
	AC1	2412	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array 4 HDDs			
	AC1	2413	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial

	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array 5 HDDs			
	AC1	2414	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array 6 HDDs			
	AC1	2415	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array 7 HDDs			
	AC1	2416	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array 8 HDDs			
	AC1	2417	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Install largest capacity, faster drives starting in Array 1			
	AC1	2498	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Install smallest capacity, slower drives starting in Array 1			
	AC1	2499	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 01			
	AC1	3101	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial

	MC1		Initial
	MC2		Initial
Rack 02			
	AC1	3102	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 03			
	AC1	3103	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 04			
	AC1	3104	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 05			
	AC1	3105	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 06			
	AC1	3106	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 07			
	AC1	3107	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 08			
	AC1	3108	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 09			
	AC1	3109	Initial

	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 10			
	AC1	3110	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 11			
	AC1	3111	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 12			
	AC1	3112	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 13			
	AC1	3113	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 14			
	AC1	3114	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 15			
	AC1	3115	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 16			
	AC1	3116	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial



	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 17			
	AC1	3117	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 18			
	AC1	3118	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 19			
	AC1	3119	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 20			
	AC1	3120	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 21			
	AC1	3121	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 22			
	AC1	3122	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 23			
	AC1	3123	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

Rack 24	AC1	3124	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 25	AC1	3125	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 26	AC1	3126	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 27	AC1	3127	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 28	AC1	3128	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 29	AC1	3129	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 30	AC1	3130	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 31	AC1	3131	Initial
	AC2		Initial
	AC3		Initial

	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 32			
	AC1	3132	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 33			
	AC1	3133	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 34			
	AC1	3134	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 35			
	AC1	3135	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 36			
	AC1	3136	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 37			
	AC1	3137	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 38			
	AC1	3138	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial

	MC1		Initial
	MC2		Initial
Rack 39			
	AC1	3139	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 40			
	AC1	3140	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 41			
	AC1	3141	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 42			
	AC1	3142	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 43			
	AC1	3143	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 44			
	AC1	3144	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 45			
	AC1	3145	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 46			
	AC1	3146	Initial

	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 47			
	AC1	3147	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 48			
	AC1	3148	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 49			
	AC1	3149	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 50			
	AC1	3150	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 51			
	AC1	3151	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 52			
	AC1	3152	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 53			
	AC1	3153	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial

	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 54			
	AC1	3154	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 55			
	AC1	3155	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 56			
	AC1	3156	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 57			
	AC1	3157	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 58			
	AC1	3158	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 59			
	AC1	3159	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack 60			
	AC1	3160	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

Rack 61	AC1	3161	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 62	AC1	3162	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 63	AC1	3163	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack 64	AC1	3164	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack location U01	AC1	3201	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack location U02	AC1	3202	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack location U03	AC1	3203	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Rack location U04	AC1	3204	Initial
	AC2		Initial
	AC3		Initial

	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U05			
	AC1	3205	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U06			
	AC1	3206	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U07			
	AC1	3207	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U08			
	AC1	3208	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U09			
	AC1	3209	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U10			
	AC1	3210	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U11			
	AC1	3211	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial



	MC1		Initial
	MC2		Initial
Rack location U12			
	AC1	3212	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U13			
	AC1	3213	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U14			
	AC1	3214	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U15			
	AC1	3215	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U16			
	AC1	3216	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U17			
	AC1	3217	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U18			
	AC1	3218	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U19			
	AC1	3219	Initial

	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U20			
	AC1	3220	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U21			
	AC1	3221	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U22			
	AC1	3222	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U23			
	AC1	3223	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U24			
	AC1	3224	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U25			
	AC1	3225	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U26			
	AC1	3226	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial

	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U27			
	AC1	3227	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U28			
	AC1	3228	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U29			
	AC1	3229	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U30			
	AC1	3230	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U31			
	AC1	3231	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U32			
	AC1	3232	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U33			
	AC1	3233	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

Rack location U34	AC1	3234	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U35	AC1	3235	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U36	AC1	3236	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U37	AC1	3237	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U38	AC1	3238	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U39	AC1	3239	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U40	AC1	3240	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U41	AC1	3241	Initial
	AC2		Initial
	AC3		Initial

	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U42			
	AC1	3242	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U43			
	AC1	3243	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U44			
	AC1	3244	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U45			
	AC1	3245	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U46			
	AC1	3246	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rack location U47			
	AC1	3247	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
No RAID - Secondary Array set up by customer			
	AC1	3271	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial

	MC1	Initial
	MC2	Initial
No RAID - Tertiary Array set up by customer		
	AC1 3272	Initial
	AC2	Initial
	AC3	Initial
	AC4	Initial
	AC5	Initial
	AC6	Initial
	AC7	Initial
	MC1	Initial
	MC2	Initial
QLogic 8Gb FC Single-port HBA for IBM System x		
	AC1 3578	Initial
	AC2	Initial
	AC3	Initial
	AC4	Initial
	AC5	Initial
	AC6	Initial
	AC7	Initial
	MC1	Initial
	MC2	Initial
QLogic 8Gb FC Dual-port HBA for IBM System x		
	AC1 3579	Initial
	AC2	Initial
	AC3	Initial
	AC4	Initial
	AC5	Initial
	AC6	Initial
	AC7	Initial
	MC1	Initial
	MC2	Initial
Emulex 8Gb FC Single-port HBA for IBM System x		
	AC1 3580	Initial
	AC2	Initial
	AC3	Initial
	AC4	Initial
	AC5	Initial
	AC6	Initial
	AC7	Initial
	MC1	Initial
	MC2	Initial
Emulex 8Gb FC Dual-port HBA for IBM System x		
	AC1 3581	Initial
	AC2	Initial
	AC3	Initial
	AC4	Initial
	AC5	Initial
	AC6	Initial
	AC7	Initial
	MC1	Initial
	MC2	Initial
Brocade 8Gb FC Single-port HBA for IBM System x		
	AC1 3589	Initial
	AC2	Initial
	AC3	Initial
	AC4	Initial
	AC5	Initial
	AC6	Initial
	AC7	Initial
	MC1	Initial
	MC2	Initial
Brocade 8Gb FC Dual-port HBA for IBM System x		
	AC1 3591	Initial
	AC2	Initial
	AC3	Initial
	AC4	Initial
	AC5	Initial
	AC6	Initial
	AC7	Initial
	MC1	Initial
	MC2	Initial
1m LC-LC Fiber Cable (networking)		
	AC1 3700	Initial

	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
5m LC-LC Fiber Cable (networking)			
	AC1	3701	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
25m LC-LC Fiber Cable (networking)			
	AC1	3702	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM USB Conversion Option Pack			
	AC1	3756	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM Single Cable USB Conversion Option (UCO)			
	AC1	3757	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
0.6m Yellow Cat5e Cable			
	AC1	3791	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
1.5m Yellow Cat5e Cable			
	AC1	3792	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
3m Yellow Cat5e Cable			
	AC1	3793	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial

	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
10m Yellow Cat5e Cable			
	AC1	3794	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
25m Yellow Cat5e Cable			
	AC1	3795	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
0.6m Green Cat5e Cable			
	AC1	3796	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
1.5m Green Cat5e Cable			
	AC1	3797	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
3m Green Cat5e Cable			
	AC1	3798	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
10m Green Cat5e Cable			
	AC1	3799	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
25m Green Cat5e Cable			
	AC1	3800	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial



0.6m Blue Cat5e Cable	AC1	3801	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
1.5m Blue Cat5e Cable	AC1	3802	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
3m Blue Cat5e Cable	AC1	3803	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
10m Blue Cat5e Cable	AC1	3804	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
25m Blue Cat5e Cable	AC1	3805	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
QLogic 10Gb CNA for IBM System x	AC1	5751	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Intel Ethernet Dual Port Server Adapter I340-T2 for IBM System x	AC1	5767	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Intel Ethernet Quad Port Server Adapter I340-T4 for IBM System x	AC1	5768	Initial

	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Select Storage devices - no IBM-configured RAID required			
	AC1	5977	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Select Storage devices - IBM-configured RAID			
	AC1	5978	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
SOFS Solution Code MFG Instruction			
	AC1	6124	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
GMAS Solution Code MFG Instruction			
	AC1	6127	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
IBW-SSD Solution Code MFG Instruction			
	AC1	6128	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
Cloudburst Solution Code MFG Instruction			
	AC1	6129	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
SoNAS Solution Code MFG Instruction			
	AC1	6130	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
Unique SBB for AC1/MC1 models			
	AC1	6134	Initial
	MC1		Initial
Unique SBB for AC2/MC2 models			
	AC2	6135	Initial

	MC2		Initial
Unique SBB for AC3/MC3 models	AC3	6136	Initial
Unique SBB for AC4/MC4 models	AC4	6137	Initial
1.8" SAS Storage Support	AC1	6138	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
SF Instruction	AC1	6139	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
1.5m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable	AC1	6201	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
2.8m, 10A/100-250V, C13 to IEC 320-C20 Rack Power Cable	AC1	6204	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Line cord - 4.3M, 10A/125V, C13 to NEMA 5-15P (US)	AC1	6207	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
2.8m, 10A/230V, C13 to CEE7-VII (Europe)	AC1	6212	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable

AC1	6263	Initial
AC2		Initial
AC3		Initial
AC4		Initial
AC5		Initial
AC6		Initial
AC7		Initial
MC1		Initial
MC2		Initial

2.8m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable

AC1	6311	Initial
AC2		Initial
AC3		Initial
AC4		Initial
AC5		Initial
AC6		Initial
AC7		Initial
MC1		Initial
MC2		Initial

Primary Array 2 HDDs

AC1	7008	Initial
AC2		Initial
AC3		Initial
AC4		Initial
AC5		Initial
AC6		Initial
AC7		Initial
MC1		Initial
MC2		Initial

Primary Array 3 HDDs

AC1	7009	Initial
AC2		Initial
AC3		Initial
AC4		Initial
AC5		Initial
AC6		Initial
AC7		Initial
MC1		Initial
MC2		Initial

Primary Array 4 HDDs

AC1	7010	Initial
AC2		Initial
AC3		Initial
AC4		Initial
AC5		Initial
AC6		Initial
AC7		Initial
MC1		Initial
MC2		Initial

Primary Array 5 HDDs

AC1	7011	Initial
AC2		Initial
AC3		Initial
AC4		Initial
AC5		Initial
AC6		Initial
AC7		Initial
MC1		Initial
MC2		Initial

Primary Array 6 HDDs

AC1	7012	Initial
AC2		Initial
AC3		Initial
AC4		Initial
AC5		Initial

	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Primary Array 7 HDDs			
	AC1	7013	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Primary Array 8 HDDs			
	AC1	7014	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array 2 HDDs			
	AC1	7015	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array 3 HDDs			
	AC1	7016	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array 4 HDDs			
	AC1	7017	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array 5 HDDs			
	AC1	7057	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array 6 HDDs			
	AC1	7058	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

Secondary Array 7 HDDs	AC1	7059	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array 8 HDDs	AC1	7060	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
China Warranty	AC1	7599	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Grouped Product	AC1	7830	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Customer Solution Center Services	AC1	7831	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
e1350 Special Bid Solution Component	AC1	7929	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
No HDD Selected	AC1	8026	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Consolidate Shipment	AC1	8031	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial

	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
e1350 Solution Component			
	AC1	8034	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
Compute Node			
	AC1	8036	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Management Node			
	AC1	8037	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Node			
	AC1	8038	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
TAA Compliant Order			
	AC1	8067	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
General Racking Solution			
	AC1	8072	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
No Publications Selected			
	AC1	8086	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Performance Memory Configuration			
	AC1	8957	Initial

	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Integrate in manufacturing			
	AC1	8971	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Ship Uninstalled (Safety)			
	AC1	8972	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Hot Spare			
	AC1	9013	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Enable Memory Mirroring			
	AC1	9017	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 01			
	AC1	9170	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 02			
	AC1	9171	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 03			
	AC1	9172	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial



	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 04			
	AC1	9173	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 05			
	AC1	9174	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 06			
	AC1	9175	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 07			
	AC1	9176	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 08			
	AC1	9177	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 09			
	AC1	9178	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 10			
	AC1	9179	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

Storage Subsystem ID 11	AC1	9180	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 12	AC1	9181	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 13	AC1	9182	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 14	AC1	9183	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 15	AC1	9184	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 16	AC1	9185	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 17	AC1	9186	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 18	AC1	9187	Initial
	AC2		Initial
	AC3		Initial

	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 19			
	AC1	9188	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Storage Subsystem ID 20			
	AC1	9189	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Preload Specify			
	AC1	9200	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Windows Specify			
	MC1	9201	Initial
	MC2		Initial
Red Hat Specify			
	AC1	9202	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
SuSE Specify			
	AC1	9203	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
Drop-in-the-Box Specify			
	AC1	9205	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
No Preload Specify			
	AC1	9206	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial

	MC2		Initial
VMware Specify	AC1	9207	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Preload by Hardware Feature Specify	AC1	9220	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Software Application (Not Preinstalled) Specify	AC1	A0UF	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Advanced Grouping	AC1	A102	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
System x Cluster Upgrade	AC1	A103	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Broadcom NetXtreme II Dual Port 10GbBaseT Adapter for IBM System x	AC1	A18Y	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Integrated Solutions	AC1	A193	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
ServerRAID M5100 Series 512MB Flash/RAID 5 Upgrade for IBM System x	AC1	A1J4	Initial
	AC2		Initial

	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
High Performance Analytics Appliance			
	AC3	A1NN	Initial
	AC4		Initial
10A/250V C13 to NEMA 6-15P 2.8m line cord			
	AC1	A1RF	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5120 SAS/SATA Controller for IBM System x			
	AC1	A1WX	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5100 Series 1GB Flash/RAID 5 Upgrade for IBM System x			
	AC1	A1WY	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5100 Series RAID 6 Upgrade for IBM System x			
	AC1	A1X3	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5100 Series 425mm Flash Power Module Cable			
	AC1	A1X9	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Power Supply Blank Filler			
	AC1	A298	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial

	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Label KC			
	AC1	A2CM	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM System x 4S- 750W High Efficiency -48 V DC Power Supply			
	AC1	A2EA	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Intel x520 Dual Port 10GbE SFP+ Adapter for IBM System x			
	AC1	A2EC	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Intel X540-T2 Dual Port 10GbBaseT Adapter for IBM System x			
	AC1	A2ED	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
BCFC for SCEntry Solution			
	AC1	A2EE	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
BladeCenter Foundation for cLOUD			
	AC1	A2HM	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
Configuration ID 01			
	AC1	A2HP	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 02			

Configuration ID 03	AC1	A2HQ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 04	AC1	A2HR	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 05	AC1	A2HS	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 06	AC1	A2HT	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 07	AC1	A2HU	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 08	AC1	A2HV	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 09	AC1	A2HW	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
Configuration ID 09	AC1	A2HX	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial

Configuration ID 10	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 11	AC1	A2HY	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 12	AC1	A2HZ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 13	AC1	A2J0	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 14	AC1	A2J1	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 15	AC1	A2J2	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 16	AC1	A2J3	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 16	AC1	A2J4	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial



Configuration ID 17	MC2		Initial
	AC1	A2J5	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 18	MC2		Initial
	AC1	A2J6	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 19	MC2		Initial
	AC1	A2J7	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 20	MC2		Initial
	AC1	A2J8	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 21	MC2		Initial
	AC1	A2J9	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 22	MC2		Initial
	AC1	A2JA	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 23	MC2		Initial
	AC1	A2JB	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 24	MC2		Initial
	AC1	A2JC	Initial
	AC2		Initial

	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 25			
	AC1	A2JD	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 26			
	AC1	A2JE	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 27			
	AC1	A2JF	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 28			
	AC1	A2JG	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 29			
	AC1	A2JH	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 30			
	AC1	A2JJ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 31			
	AC1	A2JK	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial

Configuration ID 32	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 33	AC1	A2JL	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Configuration ID 34	MC2		Initial
	AC1	A2JM	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
Configuration ID 35	MC1		Initial
	MC2		Initial
	AC1	A2JN	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
Configuration ID 36	AC7		Initial
	MC1		Initial
	MC2		Initial
	AC1	A2JP	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
Configuration ID 37	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
	AC1	A2JQ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
Configuration ID 38	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
	AC1	A2JR	Initial
	AC2		Initial
	AC3		Initial
Configuration ID 39	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
	AC1	A2JS	Initial
	AC2		Initial

Configuration ID 40	AC1	A2JT	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 41	AC1	A2JU	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configuration ID 42	AC1	A2JV	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Primary Array - RAID 0	AC1	A2JW	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Primary Array - RAID 1	AC1	A2K6	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Primary Array - RAID 5	AC1	A2K7	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Primary Array - RAID 6	AC1	A2K9	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Primary Array - RAID 6	AC1	A2KA	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial

	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Primary Array - RAID 10			
	AC1	A2KB	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array - RAID 0			
	AC1	A2KF	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array - RAID 1			
	AC1	A2KG	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array - RAID 5			
	AC1	A2KJ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array - RAID 6			
	AC1	A2KK	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Secondary Array - RAID 10			
	AC1	A2KL	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array - RAID 0			
	AC1	A2KQ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial

	MC2		Initial
Tertiary Array - RAID 1	AC1	A2KR	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array - RAID 5	AC1	A2KT	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array - RAID 6	AC1	A2KU	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Tertiary Array - RAID 10	AC1	A2KV	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Configure the same as Controller 3	AC1	A2LA	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerAID M5100 Series SSD Performance Key for IBM System x	AC1	A2MC	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerAID M5100 Series SSD Caching Enabler for IBM System x	AC1	A2MD	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

Emulex VFA III/IIIR FCoE/iSCSI License for IBM

System x (FoD)	AC1	A2U2	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Broadcom NetXtreme I Quad Port GbE Adapter for IBM System x	AC1	A2V3	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Broadcom NetXtreme I Dual Port GbE Adapter for IBM System x	AC1	A2V4	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Emulex 16Gb FC Single-port HBA for IBM System x	AC1	A2W5	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Emulex 16Gb FC Dual-port HBA for IBM System x	AC1	A2W6	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Brocade 16Gb FC Single-port HBA for IBM System x	AC1	A2XU	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Brocade 16Gb FC Dual-port HBA for IBM System x	AC1	A2XV	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM 1.2TB High IOPS MLC Mono Adapter	AC1	A3DY	Initial

		AC2	Initial
		AC3	Initial
		AC4	Initial
		AC5	Initial
		AC6	Initial
		AC7	Initial
		MC1	Initial
		MC2	Initial
IBM 2.4TB High IOPS MLC Duo Adapter			
	A3DZ	AC1	Initial
		AC2	Initial
		AC3	Initial
		AC4	Initial
		AC5	Initial
		AC6	Initial
		AC7	Initial
		MC1	Initial
		MC2	Initial
3m IBM HD-minisAS to minisAS SAS Cable			
	A3HY	AC1	Initial
		AC2	Initial
		AC3	Initial
		AC4	Initial
		AC5	Initial
		AC6	Initial
		AC7	Initial
		MC1	Initial
		MC2	Initial
IBM 365GB High IOPS MLC Mono Adapter			
	A3J3	AC1	Initial
		AC2	Initial
		AC3	Initial
		AC4	Initial
		AC5	Initial
		AC6	Initial
		AC7	Initial
		MC1	Initial
		MC2	Initial
IBM 785GB High IOPS MLC Mono Adapter			
	A3J4	AC1	Initial
		AC2	Initial
		AC3	Initial
		AC4	Initial
		AC5	Initial
		AC6	Initial
		AC7	Initial
		MC1	Initial
		MC2	Initial
QLogic 16Gb FC Single-port HBA for IBM System x			
	A3KW	AC1	Initial
		AC2	Initial
		AC3	Initial
		AC4	Initial
		AC5	Initial
		AC6	Initial
		AC7	Initial
		MC1	Initial
		MC2	Initial
QLogic 16Gb FC Dual-port HBA for IBM System x			
	A3KX	AC1	Initial
		AC2	Initial
		AC3	Initial
		AC4	Initial
		AC5	Initial
		AC6	Initial
		AC7	Initial
		MC1	Initial
		MC2	Initial
Qlogic 8200 Dual Port 10GbE SFP+ VFA for IBM System x			
	A3MR	AC1	Initial
		AC2	Initial
		AC3	Initial
		AC4	Initial



	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Qlogic 8200 VFA FCoE/iSCSI License for IBM System x (FoD)			
	AC1	A3MT	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
N2125 SAS/SATA HBA for IBM System x			
	AC1	A3MV	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Mellanox ConnectX-3 10 GbE Adapter for IBM System x			
	AC1	A3PM	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Mellanox ConnectX-3 40GbE / FDR IB VPI Adapter for IBM System x			
	AC1	A3PN	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
4GB (1x4GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHZ LP RDIMM			
	AC1	A3QE	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
8GB (1x8GB, 1Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHZ LP RDIMM			
	AC1	A3QH	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
16GB (1x16GB, 2Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHZ LP RDIMM			
	AC1	A3QM	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial

	MC1		Initial
	MC2		Initial
1.2m, 10A/100-250V, 2 Short C13s to Short C14 Rack Power Cable			
	AC1	A3SS	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
2.5m, 10A/100-250V, 2 Long C13s to Short C14 Rack Power Cable			
	AC1	A3ST	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
2.8m, 10A/100-250V, 2 Short C13s to Long C14 Rack Power Cable			
	AC1	A3SU	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
4.1m, 10A/100-250V, 2 Long C13s to Long C14 Rack Power Cable			
	AC1	A3SV	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
1.2m, 16A/100-250V, 2 Short C13s to Short C20 Rack Power Cable			
	AC1	A3SW	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
2.5m, 16A/100-250V, 2 Long C13s to Short C20 Rack Power Cable			
	AC1	A3SX	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
2.8m, 16A/100-250V, 2 Short C13s to Long C20 Rack Power Cable			
	AC1	A3SY	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial

	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
4.1m, 16A/100-250V, 2 Long C13s to Long C20 Rack Power Cable			
	AC1	A3SZ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
N2215 SAS/SATA HBA for IBM System x			
	AC1	A3YY	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5210 SAS/SATA Controller for IBM System x			
	AC1	A3YZ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5200 Series 1GB Cache/RAID 5 Upgrade for IBM Systems			
	AC1	A3Z0	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5200 Series 1GB Flash/RAID 5 Upgrade for IBM Systems			
	AC1	A3Z1	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5200 Series 2GB Flash/RAID 5 Upgrade for IBM Systems			
	AC1	A3Z2	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5200 Series RAID 6 Upgrade for IBM Systems-FoD			
	AC1	A3Z5	Initial
	AC2		Initial

	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5200 Series Zero Cache/RAID 5 Upgrade for IBM Systems-FoD			
	AC1	A3Z6	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5200 Series Performance Accelerator for IBM Systems-FoD			
	AC1	A3Z7	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ServerRAID M5200 Series SSD Caching Enabler for IBM Systems-FoD			
	AC1	A3Z8	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Super Cap Cable 425mm for ServRAID M5200 Series Flash			
	AC1	A47G	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Solarflare SFN5162F 2x10GbE SFP+ Performant Adapter for IBM System x			
	AC1	A47H	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Solarflare SFN6122F 2x10GbE SFP+ Onload Adapter for IBM System x			
	AC1	A47J	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

System Documentation and 4YR Warranty	AC1	A49Y	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
System Documentation and Software-US English	AC1	A49Z	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
x3850 ex6 I/O Planar	AC1	A4A0	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
X6 Storage Book	AC1	A4A1	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Midplane for 4U Chassis	AC1	A4A4	Initial
	AC3		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
Midplane for 8U Chassis	AC2	A4A5	Initial
	AC4		Initial
	MC2		Initial
IBM System x Rail Kit	AC1	A4AA	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
System 4U Packaging - WW	AC1	A4AB	Initial
	AC3		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W	AC1	A4AM	Initial
	AC2		Initial
	AC5		Initial

			AC6		Initial
			AC7		Initial
			MC1		Initial
			MC2		Initial
X6 Compute Book	Intel	Xeon Processor	E7-4820 v2	8C	
2.0GHz				105W	
			AC1	A4AN	Initial
			AC2		Initial
			AC5		Initial
			AC6		Initial
			AC7		Initial
			MC1		Initial
			MC2		Initial
X6 Compute Book	Intel	Xeon Processor	E7-4830 v2	10C	
2.2GHz				105W	
			AC1	A4AP	Initial
			AC2		Initial
			AC5		Initial
			AC6		Initial
			AC7		Initial
			MC1		Initial
			MC2		Initial
X6 Compute Book	Intel	Xeon Processor	E7-4850 v2	12C	
2.3GHz				105W	
			AC1	A4AQ	Initial
			AC2		Initial
			AC5		Initial
			AC6		Initial
			AC7		Initial
			MC1		Initial
			MC2		Initial
X6 Compute Book	Intel	Xeon Processor	E7-4860 v2	12C	
2.6GHz				130W	
			AC1	A4AR	Initial
			AC2		Initial
			AC5		Initial
			AC6		Initial
			AC7		Initial
			MC1		Initial
			MC2		Initial
X6 Compute Book	Intel	Xeon Processor	E7-4870 v2	15C	
2.3GHz				130W	
			AC1	A4AS	Initial
			AC2		Initial
			AC5		Initial
			AC6		Initial
			AC7		Initial
			MC1		Initial
			MC2		Initial
X6 Compute Book	Intel	Xeon Processor	E7-4880 v2	15C	
2.5GHz				130W	
			AC1	A4AT	Initial
			AC2		Initial
			AC3		Initial
			AC5		Initial
			AC6		Initial
			AC7		Initial
			MC1		Initial
			MC2		Initial
X6 Compute Book	Intel	Xeon Processor	E7-4890 v2	15C	
2.8GHz				155W	
			AC1	A4AU	Initial
			AC2		Initial
			AC3		Initial
			AC5		Initial
			AC6		Initial
			AC7		Initial
			MC1		Initial
			MC2		Initial
X6 Compute Book	Intel	Xeon Processor	E7-8850 v2	12C	
2.3GHz				105W	
			AC1	A4AV	Initial
			AC2		Initial
			AC5		Initial

		AC6		Initial
		AC7		Initial
		MC1		Initial
		MC2		Initial
X6 Compute Book	Intel Xeon Processor	E7-8893	v2 6C	
3.4GHz 155W				
		AC1	A4AW	Initial
		AC2		Initial
		AC5		Initial
		AC6		Initial
		AC7		Initial
		MC1		Initial
		MC2		Initial
X6 Compute Book	Intel Xeon Processor	E7-8870	v2 15C	
2.3GHz 130W				
		AC1	A4AX	Initial
		AC2		Initial
		AC5		Initial
		AC6		Initial
		AC7		Initial
		MC1		Initial
		MC2		Initial
X6 Compute Book	Intel Xeon Processor	E7-8880	v2 15C	
2.5GHz 130W				
		AC1	A4AY	Initial
		AC2		Initial
		AC3		Initial
		AC4		Initial
		AC5		Initial
		AC6		Initial
		AC7		Initial
		MC1		Initial
		MC2		Initial
X6 Compute Book	Intel Xeon Processor	E7-8890	v2 15C	
2.8GHz 155W				
		AC1	A4AZ	Initial
		AC2		Initial
		AC3		Initial
		AC4		Initial
		AC5		Initial
		AC6		Initial
		AC7		Initial
		MC1		Initial
		MC2		Initial
X6 Compute Book	Intel Xeon Processor	E7-8891	v2 10C	
3.2GHz 155W				
		AC1	A4B0	Initial
		AC2		Initial
		AC5		Initial
		AC6		Initial
		AC7		Initial
		MC1		Initial
		MC2		Initial
X6 Compute Book	Intel Xeon Processor	E7-8857	v2 12C	
3.0GHz 130W				
		AC1	A4B1	Initial
		AC2		Initial
		AC5		Initial
		AC6		Initial
		AC7		Initial
		MC1		Initial
		MC2		Initial
X6 Compute Book	Intel Xeon Processor	E7-8880L	v2	
15C 2.2GHz 105W				
		AC1	A4B2	Initial
		AC2		Initial
		AC5		Initial
		AC6		Initial
		AC7		Initial
		MC1		Initial
		MC2		Initial
x3850 X6 4U Chassis				
		AC1	A4BL	Initial
		AC3		Initial

	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
x3950 X6 8U Chassis			
	AC2	A4BM	Initial
	AC4		Initial
	MC2		Initial
Labels GBM			
	AC1	A4BN	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Short SAS cable to planar			
	AC1	A4BP	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
PCIe Option Bay Filler			
	AC1	A4BT	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
X6 Compute Book Filler			
	AC1	A4BU	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
2U bracket for low profile-internal-storage adapter			
	AC1	A4C1	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM HDD Filler ASM GEN 3			
	AC1	A4C2	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM HDD Filler ASM GEN 3 Quad Filler			
	AC1	A4EL	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial



	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
System 8U Packaging - WW			
	AC2	A4EM	Initial
	AC4		Initial
	MC2		Initial
No x Network Adapter			
	AC1	A4EY	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
S3700 200GB SATA 1.8" MLC Enterprise SSD for IBM System x			
	AC1	A4FS	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
S3700 400GB SATA 1.8" MLC Enterprise SSD for IBM System x			
	AC1	A4FT	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Emulex Dual Port 10GbE SFP+ VFA III-R for IBM System x			
	AC1	A4M9	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rating label for 1400W PS			
	AC1	A4QX	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rating label for 900W PS			
	AC1	A4QY	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Rating label for 750W DC PS			
	AC1	A4QZ	Initial
	AC2		Initial

	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Lightpath LCD Op Panel			
	AC1	A4VH	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM USB Memory Key for VMware ESXi 5.1 Update 1			
	AC1	A4WZ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Essential Package			
	AC1	A52G	Initial
	MC1		Initial
Enhanced Package			
	AC1	A52H	Initial
	MC1		Initial
Elite Package			
	AC1	A52J	Initial
	MC1		Initial
Essential Package			
	AC1	A52K	Initial
	MC1		Initial
Enhanced Package			
	AC1	A52L	Initial
	MC1		Initial
Elite Package			
	AC1	A52M	Initial
	MC1		Initial
x3950 X6 Essential Package			
	AC2	A53G	Initial
	MC2		Initial
x3950 X6 Enhanced Package			
	AC2	A53H	Initial
	MC2		Initial
x3950 X6 Elite Package			
	AC2	A53J	Initial
	MC2		Initial
x3950 X6 Essential Package			
	AC2	A53K	Initial
	MC2		Initial
x3950 X6 Enhanced Package			
	AC2	A53L	Initial
	MC2		Initial
x3950 X6 Elite Package			
	AC2	A53M	Initial
	MC2		Initial
Drive ID label sheet			
	AC1	A54F	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

Unique SBB for AC5/MC5 models

	AC5	A55H	Initial
Unique SBB for AC6/MC6 models	AC6	A55J	Initial
Unique SBB for AC7/MC7 models	AC7	A55K	Initial
No 2.5" Gen 3 SAS HDD Selected	AC1	A565	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
HANA Software Stack	AC3	A56P	Initial
	AC4		Initial
IBM FlashCache Storage Accelerator for Direct v2.x, Per Install w/3Yr S&S	AC5	A5BA	Initial
	AC6		Initial
IBM FlashCache Storage Accelerator for Virtual v2.x, Per Install w/3Yr S&S	AC7	A5BB	Initial

The following are features already announced for the 3837 machine type:

Description	Model Number	Feature Number	Initial/ MES/ Both/ Support	CSU
AC1	AC1			Yes
AC2	AC2			Yes
AC3	AC3			Yes
AC4	AC4			Yes
AC5	AC5			Yes
AC6	AC6			Yes
AC7	AC7			Yes
MC1	MC1			Yes
MC2	MC2			Yes
32GB (1x32GB, 4Rx4, 1.35V) PC3L-12800 CL11 ECC DDR3 1600MHZ LP LRDIMM	AC1	A3SR	Initial	
	AC2		Initial	
	AC3		Initial	
	AC4		Initial	
	AC5		Initial	
	AC6		Initial	
	AC7		Initial	
	MC1		Initial	
	MC2		Initial	
Intel X540 ML2 Dual Port 10GbeseT Adapter for IBM System x	AC1	A40P	Initial	
	AC2		Initial	
	AC3		Initial	
	AC4		Initial	
	AC5		Initial	
	AC6		Initial	
	AC7		Initial	
	MC1		Initial	

	MC2		Initial
Emulex VFA5 ML2 Dual Port 10GbE SFP+ Adapter for IBM System x			
	AC1	A40Q	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Intel I350-T4 ML2 Quad Port GbE Adapter for IBM System x			
	AC1	A40R	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Broadcom NetXtreme II ML2 Dual Port 10GbaseT for IBM System x			
	AC1	A40S	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Broadcom NetXtreme II ML2 Dual Port 10GbE SFP+ for IBM System x			
	AC1	A40T	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
64GB (1x64GB, 8Rx4, 1.35V) PC3L-10600 DDR3 1333MHZ LP LRDIMM			
	AC1	A451	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
X6 Half-length I/O Book			
	AC1	A4A2	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
X6 Full-length I/O Book			
	AC1	A4A3	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial

	MC1		Initial
	MC2		Initial
4x 2.5" HDD Riser			
	AC1	A4A6	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
1.8" SSD drive bay			
	AC1	A4A7	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-4809 v2 6C 1.9GHz 105W			
	AC1	A4B3	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-4820 v2 8C 2.0GHz 105W			
	AC1	A4B4	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-4830 v2 10C 2.2GHz 105W			
	AC1	A4B5	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-4850 v2 12C 2.3GHz 105W			
	AC1	A4B6	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-4860 v2 12C 2.6GHz 130W			
	AC1	A4B7	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-4870 v2 15C 2.3GHz 130W			
	AC1	A4B8	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial

	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-4880 v2 15C 2.5GHz 130W			
	AC1	A4B9	Initial
	AC2		Initial
	AC3		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-4890 v2 15C 2.8GHz 155W			
	AC1	A4BA	Initial
	AC2		Initial
	AC3		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-8850 v2 12C 2.3GHz 105W			
	AC1	A4BB	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-8893 v2 6C 3.4GHz 155W			
	AC1	A4BC	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-8870 v2 15C 2.3GHz 130W			
	AC1	A4BD	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-8880 v2 15C 2.5GHz 130W			
	AC1	A4BE	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-8890 v2 15C 2.8GHz 155W			
	AC1	A4BF	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-8891 v2 10C 3.2GHz 155W			
	AC1	A4BG	Initial

	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 Compute Book Intel Xeon Processor E7-8857 v2 12C 3.0GHz 130W			
	AC1	A4BH	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Addl X6 ComputeBook Intel Xeon Processor E7-8880L v2 15C 2.2GHz 105W			
	AC1	A4BJ	Initial
	AC2		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM exFlash 200GB DDR3 Storage DIMM			
	AC1	A4GX	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM exFlash 400GB DDR3 Storage DIMM			
	AC1	A4GY	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
Emulex VFA5 ML2 FCoE/iSCSI License for IBM System x (FoD)			
	AC1	A4NZ	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM 900W Power Supply			
	AC1	A4R0	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM 300GB 10K 6Gbps SAS 2.5" G3HS HDD			
	AC1	A4TL	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial

				MC2		Initial
IBM 600GB 10K 6Gbps SAS 2.5"	G3HS	HDD		AC1	A4TM	Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM 900GB 10K 6Gbps SAS 2.5"	G3HS	HDD		AC1	A4TN	Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM 1.2TB 10K 6Gbps SAS 2.5"	G3HS	HDD		AC1	A4TP	Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM 146GB 15K 6Gbps SAS 2.5"	G3HS	HDD		AC1	A4TQ	Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM 300GB 15K 6Gbps SAS 2.5"	G3HS	HDD		AC1	A4TR	Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM 500GB 7.2K 6Gbps NL SAS 2.5"	G3HS	HDD		AC1	A4TT	Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM 1TB 7.2K 6Gbps NL SAS 2.5"	G3HS	HDD		AC1	A4TU	Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM 250GB 7.2K 6Gbps NL SATA 2.5"	G3HS	HDD		AC1	A4TV	Initial
				AC2		Initial



				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM	500GB	7.2K	6Gbps	NL	SATA 2.5" G3HS HDD	
					A4TW	Initial
				AC1		Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM	1TB	7.2K	6Gbps	NL	SATA 2.5" G3HS HDD	
					A4TX	Initial
				AC1		Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM	300GB	10K	6Gbps	SAS 2.5"	G3HS SED	
					A4TY	Initial
				AC1		Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM	600GB	10K	6Gbps	SAS 2.5"	G3HS SED	
					A4TZ	Initial
				AC1		Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM	900GB	10K	6Gbps	SAS 2.5"	G3HS SED	
					A4U0	Initial
				AC1		Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM	1.2TB	10K	6Gbps	SAS 2.5"	G3HS SED	
					A4U1	Initial
				AC1		Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial
				AC7		Initial
				MC1		Initial
				MC2		Initial
IBM	146GB	15K	6Gbps	SAS 2.5"	G3HS SED	
					A4U2	Initial
				AC1		Initial
				AC2		Initial
				AC3		Initial
				AC4		Initial
				AC5		Initial
				AC6		Initial

	AC7		Initial
	MC1		Initial
	MC2		Initial
S3700 200GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x			
	AC1	A4U3	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
S3700 400GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x			
	AC1	A4U4	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
S3700 800GB SATA 2.5" MLC G3HS Enterprise SSD for IBM System x			
	AC1	A4U5	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM 200GB SAS 2.5" MLC G3HS Enterprise SSD			
	AC1	A4UA	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM 400GB SAS 2.5" MLC G3HS Enterprise SSD			
	AC1	A4UB	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM 800GB SAS 2.5" MLC G3HS Enterprise SSD			
	AC1	A4UC	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM 1.6TB SAS 2.5" MLC G3HS Enterprise SSD			
	AC1	A4UD	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial

	MC1		Initial
	MC2		Initial
IBM 1400w HE Redundant Power Supply for altitudes >5000 meters			
	AC1	A54D	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
IBM 1400w HE Redundant Power Supply			
	AC1	A54E	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial
ex6 Shipping Bracket			
	AC1	A55G	Initial
	AC2		Initial
	AC3		Initial
	AC4		Initial
	AC5		Initial
	AC6		Initial
	AC7		Initial
	MC1		Initial
	MC2		Initial

The following are features already announced for the 5455 machine type:

Description	Model Number	Feature Number	Initial/ MES/ Both/ Support	CSU
AC1	AC1			Yes
MC1	MC1			Yes
Essential Package	AC1 MC1	A566	Initial Initial	
Enhanced Package	AC1 MC1	A567	Initial Initial	
Elite Package	AC1 MC1	A568	Initial Initial	
Essential Package	AC1 MC1	A569	Initial Initial	
Enhanced Package	AC1 MC1	A56A	Initial Initial	
Elite Package	AC1 MC1	A56B	Initial Initial	

The following are features already announced for the 7915 machine type:

Description	Model Number	Feature Number	Initial/ MES/ Both/ Support	CSU
AC1	AC1			Yes

MC1					
		MC1			Yes
IBM exFlash 200GB DDR3 Storage		AC1	A4GX	Initial	
		MC1		Initial	
IBM exFlash 400GB DDR3 Storage		AC1	A4GY	Initial	
		MC1		Initial	

Machine/ Model NUMBER	SUPP. CAT.	DESCRIPTION
3837-AC1	IOR	IBM System x3850 X6
3837-AC2	IOR	IBM System x3950 X6
3837-AC3	IOR	IBM System x3850 X6
3837-AC4	IOR	IBM System x3950 X6
3837-MC1	IOR	IBM System x3850 X6
3837-MC2	IOR	IBM System x3950 X6
3837-MC3	IOR	IBM System x3850 X6
3837-MC4	IOR	IBM System x3950 X6

### **Maintenance charges**

For additional information on maintenance and pricing, please contact your IBM Sales Representative or your IBM Business Partner, or call 1-800-IBM-CALL (1-800-426-2255).

For ServiceElect (ESA) maintenance service charges, contact IBM Global Services at 888-IBM-4343 (426-4343).

### **IBM System x3850 X6 and x3950 X6 - 3837**

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Hardware models announcing with this release will utilize existing US ServicePacs.

Refer to the following IBM website for applicable US ServicePac information:

[http://www-935.ibm.com/services/us/its/html/servicepac\\_americas.html](http://www-935.ibm.com/services/us/its/html/servicepac_americas.html)

### **ServicePac information**

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#### **ServicePac for Warranty and Maintenance**

Machine Type/Model	Description	ServicePac SEO	ServicePac MTM
3837	3 Year Onsite Repair 9x5 4 Hour Response	00GW688	67568BT
3837	3 Year Onsite Repair 24x7 4 Hour Response	00GW689	67568BU
3837	3 Year Onsite Repair 24x7 2 Hour Response	00GW690	67568BV
3837	4 Year Onsite Repair 9x5 Next Business Day	00GW691	67568BW
3837	4 Year Onsite Repair 9x5 4 Hour Response	00GW692	67568BX
3837	4 Year Onsite Repair 24x7 4 Hour Response	00GW693	67568BY
3837	4 Year Onsite Repair 24x7 2 Hour Response	00GW694	67568BZ
3837	5 Year Onsite Repair 9x5 Next Business Day	00GW695	67568C0
3837	5 Year Onsite Repair 9x5 4 Hour Response	00GW696	67568C1
3837	5 Year Onsite Repair 24x7 4 Hour Response	00GW697	67568C2

3837	5 Year Onsite Repair 24x7 2 Hour Response	00GW698	67568C3
3837	3 Year Onsite Repair 24x7 4 Hour Response with HDDR	00GW699	67568C4
3837	4 Year Onsite Repair 24x7 4 Hour Response with HDDR	00GW700	67568C5
3837	4 Year Onsite Repair 9x5 Next Business Day Response with HDDR	00GW701	67568C6
3837	5 Year Onsite Repair 24x7 4 Hour Response with HDDR	00GW702	67568C7
3837	5 Year Onsite Repair 9x5 Next Business Day Response with HDDR	00GW703	67568C8

### ServicePac for Maintenance Agreement

Machine Type/Model	Description	ServicePac SEO	ServicePac MTM
3837	1 Year Onsite Repair 9x5 Next Business Day	00GW704	6756FCH
3837	1 Year Onsite Repair 9x5 4 Hour Response	00GW705	6756FCJ
3837	1 Year Onsite Repair 24x7 4 Hour Response	00GW706	6756FCK
3837	1 Year Onsite Repair 24x7 2 Hour Response	00GW707	6756FCM
3837	2 Year Onsite Repair 9x5 Next Business Day	00GW708	6756FCN
3837	2 Year Onsite Repair 9x5 4 Hour Response	00GW709	6756FCP
3837	2 Year Onsite Repair 24x7 4 Hour Response	00GW710	6756FCQ
3837	2 Year Onsite Repair 24x7 2 Hour Response	00GW711	6756FCR
3837	1 Year Onsite Repair 24x7 4 Hour Response with HDDR	00GW712	6756FCS
3837	2 Year Onsite Repair 24x7 4 Hour Response with HDDR	00GW713	6756FCT
3837	1 Year Onsite Repair 9x5 Next Business Day Response with HDDR	00GW714	6756FCU
3837	2 Year Onsite Repair 9x5 Next Business Day with HDDR	00GW715	6756FCV

### ServicePac for Essential Support: Warranty and Maintenance Option plus Remote Technical Support

Machine Type/Model	Description	ServicePac SEO
3837	3 Year Essential Support 24x7 4 Hour Response	00GW716

### ServicePac for Essential Support: Maintenance plus Remote Technical Support

Machine Type/Model	Description	ServicePac SEO
3837	1 Year Essential Support 24x7 4 Hour Response	00GW717
3837	1 Year Essential Support 9x5 Next Business Day Response	00GW718

These ServicePac offerings are valid for models announced in the United States.

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## **Corrections**

### **(Corrected on May 23, 2014)**

Revised part number in Overview, Planned availability, and Prices sections.