



IBM System x3630 M4 server offers several new options

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At a glance

The IBM® System x3630 M4 server offers several new optional features.

Overview

The IBM x3630 M4 server is an innovative, energy-smart design with powerful high-performance processors, a large capacity of high-performing DDR3 memory, and a balanced feature set, making it ideal for many general-business applications. Optional features are now available.

Key prerequisites

An IBM System x3630 M4 server.

Planned availability date

December 14, 2012

Description

System x3630 M4-related options

System x3630 M4 servers feature an Intel Xeon™ multicore processor that supports internal processing speeds of up to 2.80 GHz, and processing operations to memory up to 1600 MHz. They contain integrated, full-speed L3 cache.

The IBM System x3630 M4 server offers the following new optional features:

- Enable selection of solid-state drives for Primary Array
- Enable selection of solid-state drives for Secondary Array
- IBM RDX 1 TB cartridge
- IBM RDX 3 internal USB drive
- IBM System x® 750 W high efficiency -48 V DC power supply
- IBM System x 900 W high efficiency platinum AC power supply
- NVIDIA Quadro 2000

- NVIDIA Quadro 4000
- Quadro 4000 power cable
- ServeRAID M5100 Series SSD Caching Enabler for IBM System x
- ServeRAID M5100 Series SSD Performance Key for IBM System x
- Virtual Media conversion option
- 128 GB SATA SSD conversion option
- 146 GB 15K SAS HDD conversion option
- 146 GB 15K SAS SED HDD conversion option
- 16 GB (1 x 16 GB, 2R x 4, 1.5V) PC3-12800 CL11 ECC DDR3 1600 MHz LP RDIMM
- 256 GB SATA SSD conversion option
- 300 GB 10K SAS HDD conversion option
- 300 GB 10K SAS SED HDD conversion option
- 32 GB (1 x 32 GB, 4R x 4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333 MHz LP LRDIMM
- 4 GB (1 x 4 GB, 2R x 8, 1.5V) PC3-12800 CL11 ECC DDR3 1600 MHz LP RDIMM
- 512 GB SATA SSD conversion option
- 600 GB 10K SAS HDD conversion option
- 64 GB SATA SSD conversion option
- 8 GB (1 x 8 GB, 4R x 8, 1.35V) PC3L-8500 CL7 ECC DDR3 1066 MHz LP RDIMM
- 900 GB 10K SAS HDD conversion option

Product number

The following are features already announced for the 7158 machine type:

Description	MT	Model	Feature
Enable selection of Solid State Drives for Secondary Array	7158	AC1 MC1	2498
Enable selection of Solid State Drives for Primary Array	7158	AC1 MC1	2499
Virtual Media Conversion Option	7158	AC1 MC1	3758
NVIDIA Quadro 4000	7158	AC1 MC1	4798
8GB (1x8GB, 4Rx8, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHz LP RDIMM	7158	AC1 MC1	A14E
NVIDIA Quadro 2000	7158	AC1 MC1	A1QU
IBM RDX 1TB Cartridge	7158	AC1 MC1	A1VL
4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHz LP RDIMM	7158	AC1 MC1	A24L
32GB (1x32GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHz LP LRDIMM	7158	AC1 MC1	A291
IBM System x 900W High Efficiency Platinum AC Power Supply	7158	AC1 MC1	A2EB
ServeRAID M5100 Series SSD Performance Key for IBM System x	7158	AC1 MC1	A2MC
ServeRAID M5100 Series SSD Caching Enabler for IBM System x	7158	AC1 MC1	A2MD

IBM RDX 3 Internal USB Drive	7158	AC1 MC1	A2U7
IBM System x 750W High Efficiency -48 V DC Power Supply	7158	AC1 MC1	A39N
64GB SATA SSD Conv Option	7158	AC1 MC1	A3G1
512GB SATA SSD Conv Option	7158	AC1 MC1	A3G2
128GB SATA SSD Conv Option	7158	AC1 MC1	A3G3
256GB SATA SSD Conv Option	7158	AC1 MC1	A3G4
Quadro 4000 power cable.	7158	AC1 MC1	A3K9

Note: The following pseudo part number cannot be ordered as a stand-alone part and can only be ordered by configurator.

Business Partner information

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=112-221>

Services

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.

For details on available 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.

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>

Technical information

Specified operating environment

Standards

These systems support or comply with the following standards:

- Multiprocessor Specification (MPS) 1.4
- Peripheral Component Interconnect (PCI) specification 2.3
- Hardware-enabled to meet the International Organization for Standardization (ISO) 9241, Part 3

Equipment agency approvals and safety

- FCC - Verified to comply with Part 15 of the FCC Rules, Class A
- Canada ICES-003, Issue 5, Class A
- UL/IEC 60950-1
- CSA C22.2 No. 60950-1
- NOM-019
- Argentina IEC60950-1

Software requirements

For information on support, certification, version information, or network operating systems, visit

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

Compatibility

The System x3630 M4 server contains licensed system programs that include set configuration, set features, and test programs. System UEFI is loaded from a flash EEPROM into system memory. This BIOS provides instructions and interfaces designed to support the standard features of the System x3630 M4 server 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 xSeries® servers, visit

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

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

Planning information

Cable orders

None

Installability

The System x3630 M4 server requires about 30 minutes for installation. Installation includes unpacking, setting up, and powering on the system. Additional time is required to install an operating system, additional adapters, or features.

Supplies

None

Security, auditability, and control

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

Terms and conditions

Field installable feature

Yes

Warranty period

One year.

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 that 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 are the same as those for the machine in which it is installed.

Customer setup

Yes

Machine code

No

Optional features warranty period

Optional features - One year

Prices

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.

The following are features already announced for the 7158 machine type:

Description	Model Number	Feature Number	Initial/MES/Both/Support
Enable selection of Solid State Drives for Secondary Array	AC1 MC1	2498	Initial Initial
Enable selection of Solid State Drives for Primary Array	AC1 MC1	2499	Initial Initial
Virtual Media Conversion Option	AC1 MC1	3758	Initial Initial
NVIDIA Quadro 4000	AC1 MC1	4798	Initial Initial
8GB (1x8GB, 4Rx8, 1.35V) PC3L-8500 CL7 ECC DDR3 1066MHZ LP RDIMM	AC1 MC1	A14E	Initial Initial
NVIDIA Quadro 2000	AC1 MC1	A1QU	Initial Initial
IBM RDX 1TB Cartridge	AC1 MC1	A1VL	Initial Initial
4GB (1x4GB, 2Rx8, 1.5V) PC3-12800 CL11 ECC DDR3 1600MHZ LP RDIMM	AC1 MC1	A24L	Initial Initial
32GB (1x32GB, 4Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHZ LP LRDIMM	AC1 MC1	A291	Initial Initial
IBM System x 900W High Efficiency Platinum AC Power Supply	AC1 MC1	A2EB	Initial Initial
ServerRAID M5100 Series SSD Performance Key for IBM System x	AC1 MC1	A2MC	Initial Initial
ServerRAID M5100 Series SSD Caching Enabler for IBM System x	AC1 MC1	A2MD	Initial Initial
IBM RDX 3 Internal USB Drive	AC1 MC1	A2U7	Initial Initial
IBM System x 750W High Efficiency -48 V DC Power Supply	AC1 MC1	A39N	Initial Initial
64GB SATA SSD Conv Option	AC1 MC1	A3G1	Initial Initial
512GB SATA SSD Conv Option	AC1 MC1	A3G2	Initial Initial
128GB SATA SSD Conv Option	AC1 MC1	A3G3	Initial Initial
256GB SATA SSD Conv Option	AC1 MC1	A3G4	Initial Initial

Quadro 4000 power cable.

AC1	A3K9	Initial
MC1		Initial

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