



IBM WebSphere DataPower Cast Iron Appliance XH40 delivers cloud to on-premise application integration in days

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At a glance

Companies that adopt cloud and Software as a Service (SaaS) applications view application integration as the critical component to harmonize business processes across their hybrid application landscape. WebSphere® DataPower® Cast Iron Appliance XH40 can offer these key benefits:

- Cloud and SaaS to on-premise application integration in days. Companies can integrate in days, instead of weeks or months. This alignment with the deployment timelines of cloud applications and enables users to expedite their "go live" timeframes.
- Significant cost savings.
 - The 'configuration, not coding' design helps numerous companies slash SaaS integration costs compared to traditional approaches.
 - Reduced error recovery procedures (ERP) licensing costs by eliminating the need for cloud users to log into back-office applications.
- Enhanced IT innovation.
 - The solution is delivered through an on-premise appliance or the cloud, requiring no additional IT purchases or additions. Both approaches eliminate complex coordination or specialized IT skills for deployment.
 - The simplicity of this allows IT executives to reallocate senior resources to more innovation-oriented projects.
- IBM® has strategic alliances with many cloud and SaaS providers worldwide. IBM works with the respective product teams to be current and to support new APIs and current functions, so that updates for your custom-coded integrations can be quickly delivered.

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

Overview

To cut costs, drive productivity, and provide new capabilities quickly, companies are turning to cloud computing to meet business needs. Cloud computing is a new consumption and delivery model providing applications, data, and IT resources to users as services delivered over the network. Cloud applications are delivered as a service known as Software as a Service (SaaS). SaaS applications can help reduce IT costs by reducing the resources required for application deployment and increasing the productivity of business users by making applications available at the time of need. Because Cloud applications (from service providers) have a pricing

structure that reduces budgetary issues, there is less delay in new application procurement.

As the popularity of SaaS and cloud applications grows, department-level solutions for reducing cost and increasing the effectiveness of specific employee teams face hurdles to grow these solutions, while supporting the wider enterprise. On a daily basis, users require access to various systems and applications that are critical to doing their job. These applications may include cloud applications and on-premise systems and applications. It is critical that these applications and systems are integrated and function seamlessly, providing each user with the latest information. Many companies have a hybrid world of cloud and on-premise applications making integration critical.

WebSphere DataPower Cast Iron Appliance XH40 delivers a purpose-built, easy-to-use appliance designed for simplified deployment to deliver the capabilities needed for cloud and on-premise application integration. Designed to reduce installation and configuration time, WebSphere DataPower Cast Iron Appliance XH40 helps you rapidly deploy WebSphere Cast Iron-based SaaS integration.

Feature exchange

Not applicable

Key prerequisites

For details, refer to the [Software requirements](#) section.

Planned availability date

December 15, 2010

Description

Today's dynamic business environments and economic uncertainty mean organizations must work smarter to remain competitive and respond to changing customer demands for better and newer products and services at lower costs. Working smarter means your business needs the agility to take advantage of new revenue opportunities and address competitive threats. Optimize costs by slashing operational and maintenance expenses while increasing efficiency.

For many businesses, a primary barrier to business agility and cost optimization is IT complexity. In order to achieve business goals, IT must be able to quickly and easily deliver on the needs of the business while supporting innovation.

WebSphere Cast Iron Cloud integration portfolio provides leading SaaS and cloud application integration. WebSphere Cast Iron Cloud integration enables you to connect the hybrid world of cloud and on-premise applications within days and achieve lower cost and higher return on investment in cloud and SaaS models.

You can develop integration using a "configuration, not coding" approach and deploy them in the following form factors, each providing the same functionality:

- WebSphere DataPower Cast Iron Appliance XH40 -- A self-contained physical appliance that provides everything needed to connect cloud and on premise applications. Built on market-leading IBM technology, the appliance can be installed and managed within a local data center.
- WebSphere Cast Iron Hypervisor™ Edition -- A virtual appliance that can be installed on your existing servers by using virtualization technology. Provides the same functionality as the physical appliance.

- Cast Iron Cloud2 -- A complete multi-tenant cloud to connect cloud and on premise applications. Cast Iron Cloud2 enables you to design, run, and manage integrations in the cloud without any infrastructure footprint on-site.

For more information about how to acquire the Cast Iron Cloud2 offering, contact your IBM sales representative, or visit

<http://www.castiron.com/integration-solutions/>

WebSphere DataPower Cast Iron Appliance XH40 is a 1U 4.4 cm (1.75 inch) rack-mountable hardware appliance, designed to fit into industry-standard racks, and can be attached to the network via Ethernet. WebSphere DataPower Cast Iron Appliance XH40 cannot be taken apart and deployed within other servers. WebSphere DataPower Cast Iron Appliance XH40 delivers the following sets of capabilities:

- Complete cloud integration scenarios
- Complete connectivity
- Complete reusability

Complete Cloud integration scenarios. WebSphere DataPower Cast Iron Appliance XH40 provides the following complete integration capabilities in one product.

- Cloud data migration. Data handling, using the Cast Iron data cleansing and data migration capabilities, lets you expedite adoption of SaaS and cloud applications. This approach to data integration enables companies to cleanse, enrich, and migrate data from existing applications to cloud applications in real time.
- Cloud data synchronization. Provides connectivity, workflow, and transformation features, letting you to coordinate or orchestrate integration processes across multiple applications in real time. Because SaaS and cloud users can immediately view data that is hidden in applications, duplicate entries are minimized and their own decision making and productivity is maximized.
- Cloud user interface (UI) mashups. Often information from disparate sources must be brought together and displayed within the native user interface of a single application. WebSphere DataPower Cast Iron Appliance XH40 can mash up that data to present a single unified view, without taking the data from one application and putting it into another.

Complete connectivity

WebSphere DataPower Cast Iron Appliance XH40 comes with built-in connectivity to hundreds of cloud, packaged, and proprietary on-premise applications, including enterprise resource planning (ERP), customer relationship management (CRM), databases, web services, and flat files. It is completely self-contained and includes everything needed to complete integrations in one place.

This progressive approach to integration makes no distinction between local and remote applications because they establish connectivity to the end points by using native application protocols. The advantage is that no additional adapters are required, and there is nothing to install or change at the end points.

Complete reusability

WebSphere DataPower Cast Iron Appliance XH40 includes hundreds of reusable template integration processes (TIPs) that are searchable with a single click in an online library. This online library contains templates for all of the most common cloud integration scenarios. These templates provide a question-and-answer-based wizard that walks users through a common integration scenario. For example, a TIP might ask for all the information needed to transform an opportunity in a CRM system to an order in an ERP system.

Cast Iron customers and partners can create their own wizard-driven reusable templates with the point-and-click TIP Development Kit and make them instantly available to the entire Cast Iron user community.

Reference information

For information about WebSphere Cast Iron Hypervisor Edition V6 and WebSphere DataPower Cast Iron Appliance XH40 V6 licensed software, refer to Software Announcement [210-425](#), dated November 23, 2010.

Product number

Description	Machine type	Model
IBM WebSphere DataPower Cast Iron Appliance XH40 Standard Edition with OTC license	9235	8CX
IBM WebSphere DataPower Cast Iron Appliance XH40 Standard Edition with fixed term license	9235	8DX
IBM WebSphere DataPower Cast Iron Appliance XH40 Enterprise Edition with OTC license	9235	8FX
IBM WebSphere DataPower Cast Iron Appliance XH40 Enterprise Edition with fixed term license	9235	8GX
IBM WebSphere DataPower Cast Iron Appliance XH40 Development Edition with OTC license	9235	8HX
IBM WebSphere DataPower Cast Iron Appliance XH40 Development Edition with fixed term license	9235	8JX

Specify features

Two power cords are shipped with each machine, since the IBM DataPower 9235 contains two power supplies. These features are available for the new 9235 models 8CX, 8DX, 8FX, 8GX, 8HX, and 8JX.

Description	Machine	Model	Feature
Line cord - 2.8m, 10A/250V, C13 to GB 2099.1 (China)	9235	All models	6210
Line cord - 2.8m, 10A/250V, C13 to AS/NZ 3112 (Australia/NZ)	9235	All models	6211
Line cord - 2.8m, 10A/250V, C13 to IEC 309 Type 2P + Gnd (Europe)	9235	All models	6212
Line cord - 2.8m, 10A/250V, C13 to DK2-5a (Denmark)	9235	All models	6213
Line cord - 2.8m, 10A/250V, C13 to SABS 164 (S Africa)	9235	All models	6214
Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)	9235	All models	6215
Line cord - 2.8m, 10A/250V, C13 to SEV 1011-S24507 (Swiss)	9235	All models	6216
Line cord - 2.8m, 220-240V, C13 to IMQ CEI 23-16 (Italy/Chile)	9235	All models	6217
Line cord - 2.8m, 10A/250V, C13 to SI 32 (Israel)	9235	All models	6218
Line cord - 2.8m, 12A/100V, C13 to KETI (Korea)	9235	All models	6219
Line cord - 2.8m, 10A/250V, C13 to IRAM 2073 (Argentina)	9235	All models	6222
Line cord - 2.8m, 10A/125V, C13 to IEC320 (Brazil)	9235	All models	6223
Line cord - 2.8m 10A/250V, C13(2P+Gnd) (India)	9235	All models	6269
Line cord - 2.8m, 10A/125V, C13 to NEMA 5-15P (US)	9235	All models	6313
Line cord - 2.8m, 12A/100V,	9235	All models	6314

Education support

For WebSphere DataPower Cast Iron Appliance XH40 education, refer to Software Announcement [210-425](#), dated November 23, 2010.

Call IBM IT Education Services at 800-IBM-TEACH (426-8322) for catalogs, schedules, and enrollments.

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=110-257>

Publications

WebSphere DataPower Cast Iron Appliance publications are available on the Doc Browser CD and the Resource CD included with the WebSphere DataPower Cast Iron Appliance.

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

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

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

<http://www.ibm.com/services/continuity>

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.

Technical information

Specified operating environment

Physical specifications

- Height: 4.32 cm (1.7 in)

- Width: 48.25 cm (19 in) EIA BKT to EIA BKT
 - 48.59 cm (19.13 in) -- With Rail
 - 43.78 cm (17.24 in) -- Chassis only without EIA bkt
 - 48.59 cm (19.13 in) -- With Rail
 - 43.78 cm (17.24 in) -- Chassis only without EIA bkt
- Depth: 83.94 cm (33.05 in) -- With Rail 71.48 cm (28.14 in) -- Front to the rear handle
- Weight: 17 kg (37.48 lb)

The IBM 9235 WebSphere DataPower Cast Iron Appliance must be installed in an EIA-310-D 48.3 cm (19-in). rack with at least 71.1 cm (28 in) of depth (from rail flange to flange).

To assure installability and serviceability in non-IBM industry-standard racks, review the installation planning information for any product-specific installation requirements.

Standards

- FCC - Verified to comply with Part 15 of the FCC Rules, Class A
- Canada ICES-003, issue 4, Class A
- UL/IEC 60950-1
- CSA C22.2 No. 60950-1-03
- NOM-019

Operating environment

- Temperature
 - 10.0 to 35.0 degrees C (50 to 95 degrees F) at 0 to 914 m (0 to 3,000 ft)
 - 10.0 to 32.0 degrees C (50 to 90 degrees F) at 914 to 2,133 m (3,000 to 7,000 ft)
- Powered off: 10 to 43 degrees C (50 to 109.4 degrees F), maximum altitude: 2133.6 m (7,000 ft.)
- Relative humidity: 8% to 80%

Shipping environment

- Temperature: -40 to 60 degrees C (-40 to 140 degrees F)
- Relative humidity: 8% to 80%

Machine acoustics

Fan acoustics

	Front dB	Rear dB	Condition
Minimum	51	55	Normal operation
Maximum	64	66	Startup or high temperature operation

Electrical power

100 to 127 or 200 to 240 vac at 50 Hz or 60 Hz

Power usage:

8 A for 120 Vac

4 A for 220 Vac

The 9235 appliance contains two 650-watt power modules that operate at 100 to 127 Vac or 200 to 240 Vac at 50 or 60 Hz. Both power supply modules must be connected to the same power source to prevent ground voltage potential difference between the two power modules.

Hardware requirements

For first-time configuration of the software, this appliance requires a compatible RS-232c terminal or terminal emulator with a male DB-9 serial port connector. The terminal must support the following RS-232c serial parameters:

- 9600 baud
- 1 stop bit
- No parity
- XON/XOFF handshaking

The terminal must support ANSI/VT-100 control sequences. "Hyperterminal" in Microsoft® Windows® and "Minicom" in Linux® are appropriate terminal emulators.

Unattended or remote installation may be performed through a network-attached terminal server.

Software requirements

The studio component of WebSphere DataPower Cast Iron Appliance XH40 V6.0 requires Microsoft Windows 2000, or later, with a minimum of 1 GB memory.

The web management console of WebSphere DataPower Cast Iron Appliance XH40 V6.0 requires:

- One of the following browsers:
 - Microsoft Internet Explorer v6, or later
 - Mozilla Firefox v3, or later
- Adobe® Flash Player

Planning information

Customer responsibilities

This product is designated for customer setup. Customer setup instructions are shipped with the product.

Cable orders

Each 9235 appliance contains four Gigabit Ethernet connections. The RJ-45 connectors provide a 10/100/1000 Base-T interface (either at half-duplex or full-duplex) for connecting twisted-pair cable to the Ethernet network. Cabling is not included with the appliance.

To connect the Ethernet controller to a repeater or switch, use an unshielded twisted pair (UTP) cable with RJ-45 connectors at both ends. For 100 Mbps or higher operation, Category 5 cabling must be used. For 10 Mbps operation, Category 3, or better cabling, must be used.

Each 9235 appliance contains a single RS-232c serial port connection. The male DB-9 connector provides a 9600 baud asynchronous serial interface for connecting a serial cable to a console terminal (typically a terminal emulator running on an IBM PC). A 6 foot long "NULL modem" cable, with two female DB-9 connectors, is provided with the appliance for this purpose. The terminal's serial parameters should be set to 9600 baud, no parity, 1 stop bit, XON/XOFF handshaking.

Installability

Each 9235 series appliance requires approximately 30 minutes for installation. Installation includes unpacking, rack-mounting, connecting network and console cables, and powering on the system. Additional time is required to configure the software.

Packaging

The WebSphere DataPower Cast Iron Appliance XH40 is shipped in a single package.

- Single pack dimensions: 100.3 x 61 x 25.4 cm (39.5 x 24 x 10 in)
- Single pack weight: 22.2 kg (49 lb)

The 9235 series appliance carton contains:

- 9235 series appliance (model-specific)
- Two power cords
- Installation Guide
- Quick Start Guide
- Safety Pointer sheet
- Doc Browser CD-ROM
- Resource CD (model-specific)
- Warranty flyer
- Console serial cable
- Rack-mount kit

Supplies

The following consumable part is available for purchase from IBM. Similar parts are also available for purchase from most electronic stores.

Description	Part number
Battery	44x0512

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

IBM Global Financing

Yes

Warranty period

WebSphere DataPower Cast Iron Appliance XH40 - 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 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 battery in WebSphere DataPower Cast Iron Appliance is designated as consumable and, therefore, is not covered by this warranty.

Warranty service

If required, IBM provides repair or exchange service depending on the types of warranty service specified for the machine. IBM will attempt to resolve your

problem over the telephone, or electronically via 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. If applicable to your product, parts considered Customer Replaceable Units (CRUs) will be provided as part of the machine's standard warranty service.

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 the normal IBM service area. Contact your local IBM representative or your reseller for country and location-specific information.

CRU Service

IBM provides replacement CRUs to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM upon your request. CRUs are designated as being either a Tier 1 (mandatory) or a Tier 2 (optional) CRU.

Tier 1 (mandatory) 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.

Tier 2 (optional) CRU

You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge.

Based upon availability, CRUs 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. 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:

- Hard disk drive
- Optical drive
- Fan
- I/O adapters
- Operator panel
- PCI adapters
- Power cord
- Power supply
- Processor power regulator
- Service processor

CRU and On-site Service

At IBM's discretion, you will receive specified CRU service, or 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.

Service level is:

- Nine hours per day, Monday through Friday, excluding holidays, NBD response. Calls must be received by 5 pm local time in order to qualify for NBD response.

- Nine hours per day, Monday through Friday, excluding holidays, 4-hour average, same business day response. Same business day service level includes the installation of Tier 1 CRUs at no additional charge.
- Twenty-four hours per day, 7 days a week, 4-hour average, same day response. Same day service level includes the installation of Tier 1 CRUs at no additional charge.

CRU and Courier or Depot Service

At IBM's discretion, you will receive specified CRU service, or you will disconnect the failing machine for collection arranged by IBM. IBM will provide you with a shipping container for you to return your machine to a designated service center. A courier will pick up your machine and deliver it to the designated service center. Following its repair or exchange, IBM will arrange the return delivery of the machine to your location. You are responsible for its installation and verification.

CRU and Customer Carry-In or Mail-In Service

At IBM's discretion, you will receive specified CRU service, or you will deliver or mail, as IBM specifies (prepaid unless IBM specifies otherwise), the failing machine suitably packaged to a location IBM designates. After IBM has repaired or exchanged the machine, IBM will make it available for your collection or, for mail-in service, IBM will return it to you at IBM's expense, unless IBM specifies otherwise. You are responsible for the subsequent installation and verification of the machine.

CRU and Machine Exchange Service

At IBM's discretion, you will receive specified CRU service, or IBM will initiate shipment of a replacement machine to your location. You are responsible for its installation and verification of operation. You must pack the failed machine into the shipping container that contained the replacement machine and return the failed machine to IBM. Transportation charges, both ways, are paid by IBM. You may be charged for the replacement machine if IBM does not receive the failed machine within 15 days of your receipt of the replacement.

Non-IBM parts service

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 their customers, and normal warranty service procedures for the IBM machine apply.

Product consumable item: The battery is not warranted.

Warranty service upgrades

During the warranty period, warranty service upgrades provide an enhanced level of On-site Service for an additional charge. Service levels are response-time objectives and are not guaranteed. See the [Warranty service](#) section for additional details.

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.

Maintenance service options

CRU and On-site Service

At IBM's discretion you will receive CRU service or 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. The following on-site response-time objectives are available as warranty service upgrades for your machine. Available offerings are:

- Nine hours per day, Monday through Friday, excluding holidays, 4-hour average, same business day response
- Twenty-four hours per day, 7 days a week, 4-hour average response, same day
- Twenty-four hours per day, 7 days a week, 2-hour average response, same day

Customer Replaceable Units (CRUs) may be provided as part of the machine's standard warranty CRU Service except that you may install a CRU yourself or request IBM installation, at no additional charge, under the CRU and On-site Service level specified above. For additional information on the CRU Service, see the warranty information.

Maintenance services

If required, IBM provides repair or exchange service depending on the types of maintenance service specified for the machine. IBM will attempt to resolve your problem over the telephone or electronically, via 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 maintenance service may not be available in all worldwide locations. Additional charges may apply outside the normal IBM service area. Contact your local IBM representative or your reseller for country and location-specific information. The following service selections are available as maintenance options for your machine type.

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.

Service levels are:

- Nine hours per day, Monday through Friday, excluding holidays, NBD response
- Nine hours per day, Monday through Friday, excluding holidays, 4-hour average response, same business day
- Twenty-four hours per day, 7 days a week, 4-hour average response, same day
- Twenty-four hours per day, 7 days a week, 2-hour average response, same day

Customer Replaceable Unit (CRU) Service

If your problem can be resolved with a CRU (for example, keyboard, mouse, speaker, memory, or hard disk drive), and depending upon the maintenance service offerings in your geography, IBM will ship the replacement CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM upon your request.

Based upon availability, CRUs will be shipped for 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, 1) return instructions and a container are

shipped with the replacement CRU, and 2) 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.

CRUs may be provided as part of the machine's standard maintenance service except that you may install a CRU yourself or request IBM installation, at no additional charge, under any of the On-site Service levels specified above.

CRU and Courier or Depot Service

At IBM's discretion you will receive CRU service or you must disconnect the failing machine for collection arranged by IBM. IBM will provide you with a shipping container for you to return your machine to a designated service center. A courier will pick up your machine and deliver it to the designated service center. Following its repair or exchange, IBM will arrange the return delivery of the machine to your location. You are responsible for its installation and verification.

CRU and Customer Carry-In or Mail-In Service

At IBM's discretion you will receive CRU service or you will deliver or mail, as IBM specifies (prepaid, unless IBM specifies otherwise) the failing machine suitably packaged to a location IBM designates. After IBM has repaired or exchanged the machine, IBM will make it available for your collection or, for mail-in service, IBM will return it to you at IBM's expense, unless IBM specifies otherwise. You are responsible for the subsequent installation and verification of the machine.

CRU and Machine Exchange Service

At IBM's discretion you will receive CRU service or IBM will initiate shipment of a replacement machine to your location. You are responsible for its installation and verification of operation. You must pack the failed machine into the shipping container that contained the replacement machine and return the failed machine to IBM. Transportation charges, both ways, are paid by IBM. You may be charged for the replacement machine if IBM does not receive the failed machine within 15 days of your receipt of the replacement.

Non-IBM parts service

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

This service includes hardware problem determination (PD) on the non-IBM parts (for example, adapter cards, PCMCIA cards, disk drives, memory) installed within IBM machines 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.

Warranty service upgrades

Usage plan machine

No

IBM hourly service rate classification

Not applicable

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

Field-installable features

No

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

IBM Licensed Internal Code (LIC) is licensed for use by a customer on a specific machine, designated by serial number, under the terms and conditions of the IBM License Agreement for Machine Code, to enable a specific machine to function in accordance with its specifications, and only for the capacity authorized by IBM and acquired by the customer. You can obtain the agreement by contacting your IBM representative or visiting

http://www.ibm.com/systems/support/machine_warranties/machine_code.html

Specific Machine LIC Type Model

9235-8CX
9235-8DX
9235-8FX
9235-8GX
9235-8HX
9235-8JX

License Information form number

WebSphere DataPower Cast Iron Appliance XH40

L-AFOS-89WSH6

The program License Information will be available for review on the IBM Software License Agreement web site

<http://www.ibm.com/software/sla/sladb.nsf>

Educational allowance

Not applicable

Pricing

For additional information and current prices, contact your local IBM representative.

Product charges

With each appliance acquired, IBM includes one year of appliance support consisting of 9 hours per day, Monday through Friday, excluding holidays, NBD response. The initial period of maintenance can be upgraded by the purchase of warranty service upgrade or extended by the purchase of a renewal option, if available.

Description	Machine type	Model
IBM WebSphere DataPower Cast Iron Appliance XH40 Standard Edition with OTC license	9235	8CX
IBM WebSphere DataPower Cast Iron Appliance XH40 Standard Edition with fixed term license	9235	8DX
IBM WebSphere DataPower Cast Iron Appliance XH40 Enterprise Edition with OTC license	9235	8FX
IBM WebSphere DataPower Cast Iron Appliance XH40 Enterprise Edition with fixed term license	9235	8GX
IBM WebSphere DataPower Cast Iron Appliance XH40 Development Edition with OTC license	9235	8HX
IBM WebSphere DataPower Cast Iron Appliance XH40 Development Edition with fixed term license	9235	8JX

Specify features

Description	Machine	Model	Feature	Charge
Line cord - 2.8m, 10A/250V, C13 to GB 2099.1 (China)	9235	All models	6210	N/C
Line cord - 2.8m, 10A/250V, C13 to AS/NZ 3112 (Australia/NZ)	9235	All models	6211	N/C
Line cord - 2.8m, 10A/250V, C13 to IEC 309 Type 2P + Gnd (Europe)	9235	All models	6212	N/C
Line cord - 2.8m, 10A/250V, C13 to DK2-5a (Denmark)	9235	All models	6213	N/C
Line cord - 2.8m, 10A/250V, C13 to SABS 164 (S Africa)	9235	All models	6214	N/C
Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)	9235	All models	6215	N/C
Line cord - 2.8m, 10A/250V, C13 to SEV 1011-S24507 (Swiss)	9235	All models	6216	N/C
Line cord - 2.8m, 220-240V, C13 to IMQ CEI 23-16 (Italy/Chile)	9235	All models	6217	N/C
Line cord - 2.8m, 10A/250V, C13 to SI 32 (Israel)	9235	All models	6218	N/C
Line cord - 2.8m, 12A/100V, C13 to KETI (Korea)	9235	All models	6219	N/C

Line cord - 2.8m, 10A/250V, C13 to IRAM 2073 (Argentina)	9235	All models	6222	N/C
Line cord - 2.8m, 10A/125V, C13 to IEC320 (Brazil)	9235	All models	6223	N/C
Line cord - 2.8M 10A/250V, C13(2P+Gnd) (India)	9235	All models	6269	N/C
Line cord - 2.8m, 10A/125V, C13 to NEMA 5-15P (US)	9235	All models	6313	N/C
Line cord - 2.8m, 12A/100V, C13 to JIS C-8303(Japan)	9235	All models	6314	N/C
Line cord - 2.8m, 10A/25V, C13 to CNS 10917-3 (Taiwan)	9235	All models	6386	N/C

Feature Install Summary

Machine Type	Feature number	Field install only	Plant install only	MES removal	MES add charge	Cables required
9235	6210	N	Y	N	N	N
9235	6211	N	Y	N	N	N
9235	6212	N	Y	N	N	N
9235	6213	N	Y	N	N	N
9235	6214	N	Y	N	N	N
9235	6215	N	Y	N	N	N
9235	6216	N	Y	N	N	N
9235	6217	N	Y	N	N	N
9235	6218	N	Y	N	N	N
9235	6219	N	Y	N	N	N
9235	6222	N	Y	N	N	N
9235	6223	N	Y	N	N	N
9235	6269	N	Y	N	N	N
9235	6313	N	Y	N	N	N
9235	6314	N	Y	N	N	N
9235	6386	N	Y	N	N	N

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