



IBM WebSphere DataPower Edge Appliance XE82 integrates edge-of-network, traffic gateway functions

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At a glance

WebSphere® DataPower® Edge Appliance XE82 delivers:

- Traffic consolidation, monitoring, management, and acceleration for web application delivery
- An appliance-based proxy gateway for web application delivery
- An integrated edge-of-network control proxy for use with WebSphere Application Accelerator for Hybrid Networks
- An integrated edge-of-network traffic gateway for use with WebSphere Application Accelerator for Public Networks
- An appliance-based proxy gateway for external application access to Software as a Service (SaaS) and cloud-based applications
- Options for Application Optimization and Tivoli® Access Manager V6.1 support included standard

Overview

The newest addition to the WebSphere DataPower appliance family is the WebSphere DataPower Edge Appliance XE82.

Features and capabilities include:

Hardware form-factor

- 2U, high-density, rackmount design
- Two network I/O modules for increased flexibility and serviceability (eight 1-GB and two 10-GB ports)
- Latest-generation hardware technology that can increase performance and capacity
- Increased serviceability with multiple field replaceable parts
- Customized intrusion detection handling
- Enhanced LEDs for different hardware components, which provide user feedback
- New hardware diagnostic tool to help identify hardware problems

Multiple security mechanisms

Supports multiple authentication and authorization mechanisms

- SAML 1.0, 1.1, and 2.0
- Integration with Tivoli Access Manager V6.1 is included standard

- Identify federation support

Interoperability

- Integration of WebSphere Application Accelerator for Hybrid Networks for acceleration of cloud services using a hybrid network
- Integration of WebSphere Application Accelerator for Public Networks for optimal delivery of web and Web 2.0 applications across the public Internet

Broad connectivity

HTTP/HTTPS support (SSL termination)

The WebSphere DataPower Edge Appliance XE82 is designed to provide a consolidated solution for mediating traffic at the edge-of-network zones for application delivery.

Enhanced manageability

- Simplified backup and restore process

Enhanced intelligent load distribution -- DataPower Option for Application Optimization (AO) is included standard and provides:

- Ability to distribute load across multiple appliances without the need for an external load balancer.
- Ability to intelligently load balance to back-end servers based on metadata from application servers.
- Support for interruption-free back-end application upgrades through support for application edition management. New editions of an application can be rolled out using either group or atomic updates.

Feature exchange

Not applicable

Key prerequisites

- Network interface and network cable
- Network information (IP address, DNS, and Gateway)
- Computer and console with serial port, keyboard, and mouse
- Power® requirements per country specifications
- WebSphere Application Server Network Deployment V6.1 or V7.0, or Virtual Enterprise V6.1 for some Application Optimization features
- Tivoli Access Manager V6.1 for some Security features

Planned availability date

June 15, 2011

Description

WebSphere DataPower Edge Appliance XE82

Data Center consolidation: The WebSphere DataPower Edge Appliance can reduce the complexity of components required to deliver modern web applications to customers, business partners, and employees.

- Includes a single platform for:
 - High availability
 - Intelligent workload management (smart load balancing)
 - Security policy enforcement
 - Transport policy management
 - Content compression
 - Cache policy management
 - Traffic consolidation
- Helps simplify topology at the edge of the application delivery zone
- Helps lower costs for application delivery
- Helps simplify management for application delivery components
- Helps increased agility of application delivery architecture with a scalable and extensible solution
- Helps eliminate the need to purchase many disparate technologies from multiple vendors for application delivery

Application performance at the edge of the Internet -- whether delivering web applications to customers, partners, or employees, you can:

- Optimize user experience for interactive web applications
- Allow integration with WebSphere Application Accelerator for Public Networks for simple solution deployment
- Reduce the need for separate point solutions for:
 - Code optimization
 - Network optimization
 - Systems optimization
- Increase reliability of broad-based Internet communications for mission-critical application delivery
- Allow cost-effective delivery using managed service flexibility (grow with your applications and business)

Cloud and SaaS application enablement: You can:

- Help provide centralized security policy enforcement for cloud or SaaS application usage
- Help increase reliability of Internet for delivery of externally hosted mission-critical applications for internal users
- Help accelerate the delivery of cloud or SaaS applications to enterprise network backbone through WebSphere Application Accelerator for Hybrid Networks service

Reference information

For information WebSphere Application Accelerator for Hybrid Networks, refer to Software Announcement [211-219](#), dated June 14, 2011.

For information WebSphere DataPower Edge Appliance XE82 Support, refer to Software Announcement [211-214](#), dated June 14, 2011

Product number

Description	Machine type	Model
IBM WebSphere DataPower Edge Appliance XE82	7199	8EX

Features

Description	Machine	Model	Feature
Ethernet Module - 8 ports 1 Gigabit/second UTP	7199	8EX	7108
Ethernet Module - 2 ports 10 Gigabit/second SFP+	7199	8EX	7192
Optical Transceiver - 10 GB short reach	7199	8EX	7410
Optical Transceiver - 10 GB long reach	7199	8EX	7412
WebSphere DataPower Basic Enablement	7199	8EX	4940
WebSphere DataPower Basic Enablement upgrade	7199	8EX	5050

Specify features

Two power cords are shipped with each WebSphere DataPower Edge Appliance XE82, since the IBM® DataPower 7199 contains two power supplies. These features are available for the new WebSphere DataPower Edge Appliance XE82.

Description	Machine	Model	Feature
Cryptographic Accelerator Card	7199	8EX	7312
Rail Kit	7199	8EX	6799
Line cord - 2.8m, 10A/250V, C13 to GB 2099.1 (China)	7199	8EX	6210
Line cord - 2.8m, 10A/250V, C13 to AS/NZ 3112 (Australia/NZ)	7199	8EX	6211
Line cord - 2.8m, 10A/250V, C13 to IEC 309 Type 2P + Gnd (Europe)	7199	8EX	6212
Line cord - 2.8m, 10A/250V, C13 to DK2-5a (Denmark)	7199	8EX	6213
Line cord - 2.8m, 10A/250V, C13 to SABS 164 (S Africa)	7199	8EX	6214
Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)	7199	8EX	6215
Line cord - 2.8m, 10A/250V, C13 to SEV 1011-S24507 (Swiss)	7199	8EX	6216
Line cord - 2.8m, 220-240V, C13 to IMQ CEI 23-16 (Italy/Chile)	7199	8EX	6217
Line cord - 2.8m, 10A/250V, C13 to SI 32 (Israel)	7199	8EX	6218
Line cord - 2.8m, 12A/100V, C13 to KETI (Korea)	7199	8EX	6219
Line cord - 2.8m, 10A/250V, C13 to IRAM 2073 (Argentina)	7199	8EX	6222
Line cord - 2.8m, 10A/125V, C13 to IEC320 (Brazil)	7199	8EX	6223
Line cord - 2.8m 10A/250V, C13(2P+Gnd) (India)	7199	8EX	6269
Line cord - 2.8m, 10A/125V, C13 to NEMA 5-15P (US)	7199	8EX	6313
Line cord - 2.8m, 12A/100V, C13 to JIS C-8303(Japan)	7199	8EX	6314

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=111-115>

Education support

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

Publications

Documentation for the WebSphere DataPower Edge Appliance XE82 is available at the product documentation site

<http://www.ibm.com/software/integration/datapower/library/documentation>

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.

Specified operating environment

Physical specifications

- Height: 8.89 cm (3.5 in)
- Width: 43.8 cm (17.25 in)
- Depth: 58.4 cm (23 in)
- Weight: 21 kg (46.2 lb)

The WebSphere DataPower Edge Appliance XE82 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
- NOM-019

Operating environment

- Temperature
 - 10 to 35 degrees C (50 to 95 degrees F) at 0 to 914 m (0 to 3,000 ft)
 - 10 to 32 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%

Electrical power

100 to 127 or 200 to 240 V ac at 50 Hz or 60 Hz

Power usage:

- 10 A for 120 V ac
- 5 A for 220 V ac

The WebSphere DataPower Edge Appliance XE82 contains two 720-watt power modules that operate at:

- 100 to 127 V ac or
- 200 to 240 V ac 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.

Planning information

Customer responsibilities

The WebSphere DataPower Edge Appliance XE82 is designated for customer setup. Customer setup instructions are shipped with the product.

Cable orders

The WebSphere DataPower Edge Appliance XE82 appliance contains one 2x10 GbE and one 8x1 GbE connection. 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 interface 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.

The provided SFP+ connectors allow for three options:

- 10GBASE-SR transceivers (for 300 m multi-mode fiber)
- 10GBASE-LR transceivers (for 10 Km single-mode fiber)
- 10GBASE-Cu direct attach twinaxial cables, up to 10 m

The WebSphere DataPower Edge Appliance XE82 contains a single RS-232c serial port connection. The RJ45 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 one RJ45 connector and one female DB-9 connector, is provided with the appliance for this purpose. The terminal serial parameters should be set to 9600-baud, no parity, 1-stop bit, XON/XOFF handshaking.

Installability

The WebSphere DataPower Edge Appliance XE82 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 Edge Appliance XE82 is shipped in a single package.

- Single pack dimensions: 89 x 63 x 28 cm (35 x 24.8 x 11 in)
- Single pack weight: 26 kg (57.2 lb)

The WebSphere DataPower Edge Appliance XE82 series appliance carton contains:

- WebSphere DataPower Edge Appliance XE82
- 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, including two rack power cords

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 Edge Appliance XE82 - 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.

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
- Fan
- Ethernet modules
- Power cord
- Power supply
- Network modules
- Rack mounting kit

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, next business day (NBD) response. Calls must be received by 5 pm local time in order to qualify for next business day response.
- 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.

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 services 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

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
- Twenty-four hours per day, 7 days a week, 4-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 discretion of IBM 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 and licensed machine code

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

Educational allowance

Not applicable

Pricing

Product charges

With each WebSphere DataPower Edge Appliance XE82 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
WebSphere DataPower Edge Appliance XE82	7199	8EX

Features

Description	Machine type	Model	Feature
Ethernet Module - 8 ports 1 Gigabit/second UTP	7199	8EX	7108
Ethernet Module - 2 ports 10 Gigabit/second SFP+	7199	8EX	7192
Optical Transceiver - 10 GB short reach	7199	8EX	7410
Optical Transceiver - 10 GB long reach	7199	8EX	7412
WebSphere DataPower Basic Enablement	7199	8EX	4940
WebSphere DataPower Basic Enablement upgrade	7199	8EX	5050

Specify features

Cryptographic Accelerator Card	7199	8EX	7312
Rail Kit	7199	8EX	6799
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Line cord - 2.8m, 10A/250V, C13 to AS/NZ 3112 (Australia/NZ)	7199	8EX	6211
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Line cord - 2.8m, 10A/250V, C13 to DK2-5a (Denmark)	7199	8EX	6213
Line cord - 2.8m, 10A/250V, C13 to SABS 164 (S Africa)	7199	8EX	6214
Line cord - 2.8m, 10A/250V, C13 to BS 1363/A (UK)	7199	8EX	6215
Line cord - 2.8m, 10A/250V, C13 to SEV 1011-S24507 (Swiss)	7199	8EX	6216
Line cord - 2.8m, 220-240V, C13 to IMQ CEI 23-16 (Italy/Chile)	7199	8EX	6217

Line cord - 2.8m, 10A/250V, C13 to SI 32 (Israel)	7199	8EX	6218
Line cord - 2.8m, 12A/100V, C13 to KETI (Korea)	7199	8EX	6219
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Line cord - 2.8m, 10A/125V, C13 to IEC320 (Brazil)	7199	8EX	6223
Line cord - 2.8M 10A/250V, C13(2P+Gnd) (India)	7199	8EX	6269
Line cord - 2.8m, 10A/125V, C13 to NEMA 5-15P (US)	7199	8EX	6313
Line cord - 2.8m, 12A/100V, C13 to JIS C-8303(Japan)	7199	8EX	6314
Line cord - 2.8m, 10A/25V, C13 to CNS 10917-3 (Taiwan)	7199	8EX	6386

Feature Install Summary

Machine Type	Feature number	Field install only	Plant install only	MES removal	MES add charge	Cables required
7199	7312	N	Y	N	N	N
7199	7108	N	N	N	N	N
7199	7192	N	N	N	N	N
7199	7410	N	N	N	N	N
7199	7412	N	N	N	N	N
7199	4940	N	N	N	N	N
7199	5050	Y	N	N	N	N
7199	6799	N	N	N	N	N
7199	6210	N	Y	N	N	N
7199	6211	N	Y	N	N	N
7199	6212	N	Y	N	N	N
7199	6213	N	Y	N	N	N
7199	6214	N	Y	N	N	N
7199	6215	N	Y	N	N	N
7199	6216	N	Y	N	N	N
7199	6217	N	Y	N	N	N
7199	6218	N	Y	N	N	N
7199	6219	N	Y	N	N	N
7199	6222	N	Y	N	N	N
7199	6223	N	Y	N	N	N
7199	6269	N	Y	N	N	N
7199	6313	N	Y	N	N	N
7199	6314	N	Y	N	N	N
7199	6386	N	Y	N	N	N

ServicePac prices

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

IBM Global Financing

IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

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

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