



IBM Express Portfolio is updated to include new IBM System x HS23E model

Table of contents

1 Overview	3 Technical information
1 Key prerequisites	3 Terms and conditions
1 Planned availability date	8 Prices
1 Description	9 Announcement countries
2 Product number	

Overview

Effective August 7, 2012, IBM announces a new Express® Seller model, with special pricing and terms and conditions.

The information for this model is based on a standard model but is not an exact match.

Review the specifications included in this announcement and in the IBM® Hardware Announcement in the [Reference information](#) section for specific information regarding technical specifications, warranty, and terms and conditions applicable to this model.

New part number	Standard part number	IBM Announcement number	Announcement date
8038K1G	8038B1G	ZG12-0133	May 14, 2012

Key prerequisites

None

Planned availability date

August 7, 2012

Description

	8308-K1G
Processor	Intel Xeon™ E5-2403 4 core 80w
Int. speed	1.80 GHz
Max. mem. speed	1066 MHz
Interconnect speed	6.4 GT/s
Number standard	1
Maximum	2
L2 cache	10 MB
Memory (VLP ECC DDR3)	8 GB
DIMMs (Standard)	1 x 8 GB

DIMM sockets	12
Capacity	192 GB ¹
Video	SVGA
Memory	16 MB
Disk controller	SATA hard drive
SAS hard drives and solid-state drives are supported with CIOv RAID card	
Channels	2
Connector int.	2
Connector ext.	0 (Optional 2 with CIOv RAID card)
Storage drives	0
Connectors	2
Internal capacity	2 TB ²
Total storage drive bays	2
CFFh Expansion Slots	1
CIOv Expansion Slots	1
Management proc.	Standard
Ethernet controller	Dual 1Gb
FC card	Optional

¹Total system memory capacity is based on using 16 GB memory DIMMs.

²Capacities are based on installation of two 1 TB Drives. For the latest information about supported options, visit

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

Accessibility by people with disabilities

A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

http://www.ibm.com/able/product_accessibility/index.html

Reference information

For product information, refer to Hardware Announcement [ZG12-0133](#), dated May 14, 2012 .

New part number	Standard part number	IBM Announcement number	Announcement date
8038K1G	8038B1G	ZG12-0133	May 14, 2012

Product number

Description	Machine type	Model	Part number
IBM System x			
Express Model HS23E	8038	K1G	8038K1G
8038K1G E5-2403 4C 1.8GHZ 10MB Cache 1066MHZ 80W, 8GB (1x8GB, 2Rx4, 1.35V) PC3L-10600 CL9 ECC DDR3 1333MHZ VLP RDIMM , O/B			

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

Planning information

Customer responsibilities

These systems are designated as customer setup (CSU).

Supplies

For end users: None

Security, auditability, and control

For a complete description of each product, refer to the IBM Hardware Announcement in the [Reference information](#) section.

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

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings, for the efficient installation, implementation, and/or integration of this product.

Terms and conditions

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

Warranty period

Three years.

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 in.

Warranty service

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. You must follow the problem determination and resolution procedures that IBM specifies. Scheduling of service will depend upon the time of your call and is subject to parts availability. 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 or a Tier 2 CRU. Installation of a Tier 1 CRU 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 specified below, On-site Service.

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.

HS23E

The following parts or features have been designated as Tier 2 CRUs for the BladeCenter® HS23E:

- System Planar Board
- Processors (CPUs)/Heatsink

Other parts, including the following have been designated as Tier 1 CRUs for the BladeCenter HS23E:

- Solid-state drive
- Hard Disk
- Memory DIMM
- Daughter cards
- Service label
- System label

- CMOS Battery

On-site Service

This provides On-site Repair, 9 hours per day, Monday through Friday excluding holidays, NBD response. IBM or your reseller 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. 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-county service delivery is used.

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, refer to Marketing Announcement [ZS01-0168](#), 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.

Terms and Conditions for Express Seller Products

The designated products are available only as part of the IBM Express Seller program. For full details of the terms and conditions, refer to the Express Seller Program Terms and Conditions applicable to a specific Business Partner.

Note: Copies of the Express Seller Program Terms and Conditions are available locally.

In summary:

- Orders for Express Seller Products must be placed on an order specifically identified as 'Express Seller' and should not contain any other (non-Express Seller) product.
- Orders may only be placed for currently eligible Express Seller products.
- IBM will undertake to deliver products purchased under the terms of the Express Seller program within a specified number of days. For full details of the delivery terms for your country, refer to the Express Seller Program Terms and Conditions.
- Products purchased under this program are eligible for 15 days price protection from the date of shipment. For full details, refer to the program terms and conditions.
- There is no accommodation for the return to IBM of any products ordered under the terms of this program.

- Products purchased under the terms of this offering are not available to be sold as part of a special bid.

IBM hourly service rate classification

Two

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 Machine Code

IBM Machine Code is licensed for use by a customer on the IBM machine for which it was provided by IBM under the terms and conditions of the IBM License Agreement for Machine Code, to enable the 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/servers/support/machine_warranties/machine_code.html

Machine using LMC Type Model xxxx-xxx

IBM may release changes to the Machine Code.

If the machine does not function as warranted and your problem can be resolved through your application of downloadable Machine Code, you are responsible for downloading and installing these designated Machine Code changes as IBM specifies. If you would prefer, you may request IBM to install downloadable Machine Code changes; however, you may be charged for that service.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically

reports hardware problems to IBM . Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

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

ServicePac® service upgrades

The announced hardware products may also be eligible for ServicePac warranty upgrades. ServicePac provides a higher level of service to enhance the base IBM Machine Warranty and a selection of software support services.

ServicePac can be purchased from your IBM Business Partner and are specific to the machines/products listed.

The upgrade level of service is dependant on country.

For a full list of ServicePac offerings and prices refer to the IBM ServicePac Product Selector Tool.

<https://www-304.ibm.com/sales/gss/download/spst/servicepac/extProductSelectorWWW.do>

Announcement countries for ServicePac

Announcement is restricted to the following countries:

- Algeria
- Angola
- Austria
- Bahrain
- Belgium
- Botswana
- Bulgaria
- Croatia
- Czech Republic
- Denmark
- Egypt
- Estonia³
- Finland
- France (Except overseas territories)
- Germany
- Greece
- Hungary
- Ireland
- Israel
- Italy
- Jordan
- Kazakhstan
- Kenya
- Kuwait
- Latvia³

- Lebanon
- Lithuania³
- Libya
- Luxembourg
- Mauritius
- Morocco
- Mozambique
- Netherlands
- Nigeria
- Norway
- Oman
- Pakistan
- Poland
- Portugal
- Qatar
- Romania
- Russia
- Saudi Arabia
- Serbia
- Slovakia
- Slovenia
- South Africa
- Spain
- Sweden
- Switzerland
- Tanzania
- Tunisia
- Turkey
- UK (Mainland only)
- Ukraine
- United Arab Emirates

³Order and registration via Finland

Maintenance

The products in this document are also covered by Maintenance Agreements and ServiceSuite® contracts.

Prices

For all local charges, contact your IBM representative.

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>

IBM Global Financing offerings are provided through IBM Credit LLC in the United States, and other IBM subsidiaries and divisions worldwide to qualified commercial and government customers. Rates are based on a customer's credit rating, financing terms, offering type, equipment type, and options, and may vary by country. Other restrictions may apply. Rates and offerings are subject to change, extension, or withdrawal without notice.

Announcement countries

All European, Middle Eastern, and African countries.

Trademarks

Electronic Service Agent is a trademark of IBM Corporation in the United States, other countries, or both.

Express, IBM, BladeCenter, ServicePac and ServiceSuite are registered trademarks of IBM Corporation in the United States, other countries, or both.

Intel Xeon is a trademark of Intel Corporation or its subsidiaries in the United States and other countries.

Other company, product, and service names may be trademarks or service marks of others.

Terms of use

IBM products and services which are announced and available in your country can be ordered under the applicable standard agreements, terms, conditions, and prices in effect at the time. IBM reserves the right to modify or withdraw this announcement at any time without notice. This announcement is provided for your information only. Reference to other products in this announcement does not necessarily imply those products are announced, or intend to be announced, in your country. Additional terms of use are located at

<http://www.ibm.com/legal/us/en/>

For the most current information regarding IBM products, consult your IBM representative or reseller, or visit the IBM worldwide contacts page

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