



IBM Express Portfolio is updated to include new IBM System x3100 M4 and x3250 M4 models

Table of contents

1 Overview	5 Technical information
1 Key prerequisites	5 Terms and conditions
1 Planned availability date	11 Pricing
1 Description	12 Announcement countries
4 Product number	

Overview

The information for these models is based on standard models but is not an exact match.

Review the specifications included in this announcement and in the IBM announcements listed below for specific information regarding technical specifications, warranty, and terms and conditions applicable to these models.

New part number	Standard part number	IBM announcement number	Announcement date
2582KBG	258232G	ZG11-0029	Sept 13, 2011
2583KBG	2583C2G	ZG12-0103	May 14, 2012
2583KGG	2583F2G	ZG12-0103	May 14, 2012

Key prerequisites

None

Planned availability date

September 4, 2012

Description

Express® models

	2582KBG
Processor	Pentium™ G870 2C (65w)
Internal speed	3.1 GHz
External speed	1333 MHz
Number standard	1
Maximum	1
Cache	3 MB
Memory	4 GB
DIMMS	1x 4GB
(2Rx8, 1.35V, PC3L-10600 CL9 ECC DDR3 1333MHz LP UDIMM)	
Sockets UDIMM	4
Capacity UDIMM	32 GB (3)

Video controller	Integrated in BMC
Memory	16 MB (shared)
HDD	3.5" SS SATA
HDD controllers	SATA
Channels	1
Connector int.	6
Connector ext.	0
RAID	On-board
Disk standard	1x 500GB 7K2 3.5" SS SATA
Tape backup	0
Total bays	6
5.25/3.5-in half-high(7)	2
3.5-in slim SS SATA	4
2.5-in slim	0
Hot-swap	0
Internal capacity	12 TB (6)
Standard	500 GB
Bays available	4
5.25/3.5-in half-high	1
3.5-in slim	3
2.5-in slim	0
Hot-swap	0
Total slots	4
PCI 2.2 (32/33 MHz)	0
PCI-E (x16/x8/x4/x1)	4
Slots available	4
Management proc.	IMM2
Ethernet controller	Dual Gb
Optical drive (SATA)	DVD-ROM
Diskette drive	0
Power supply	350 W
Number standard	1
Hot-swap	No
Redundant power	No
Auto restart	Yes

2583KBG

Processor	Xeon E3-1230v2 4C (69W)
Internal speed	3.3 GHz
External speed	1600 MHz
Number standard	1
Maximum	1
Cache	8 MB
Memory	4 GB
DIMMs	1 x 4 GB
(2Rx8, 1.5V, PC3-12800 CL11 ECC DDR3 1600MHZ LP UDIMM)	
Sockets UDIMM	4
Capacity UDIMM	32 GB (3)
Video controller	Integrated in BMC
Memory	8 MB (shared)
HDD	Hot Swap
HDD controllers	SAS/SATA
Channels	1
Connector int.	4
Connector ext.	0
RAID	H1110
Hot Swap disk standard	2x 500GB 7K2 2.5" HS SAS
Tape backup	0
Total bays	5
5.25/3.5-in half-high(1)	1
3.5-in slim	0
2.5-in slim	4
Hot-swap	4
Internal capacity (4)	3.6 TB
Bays available	2
5.25/3.5-in half-high	0
3.5-in slim	0
2.5-in slim	2
Hot-swap	2
Total slots	2
PCI 2.2 (32/33 MHz)	0
PCI-E (1x8, 1x4) (5)	2
Slots available	1

Management proc.	IMM2
Ethernet controller	Dual Gb
Optical drive (SATA)	Multiburner
Diskette drive	0
Power supply	300 w
Number standard	1
Hot-swap	No
Redundant power	No
Auto restart	Yes
	2583KGG
Processor	Xeon E3-1220v2 4C (69W)
Internal speed	3.1 GHz
External speed	1600 MHz
Number standard	1
Maximum	1
Cache	8 MB
Memory	4 GB
DIMMs	1 x 4 GB
(2Rx8, 1.5V, PC3-12800	CL11 ECC DDR3 1600MHz LP UDIMM)
Sockets UDIMM	4
Capacity UDIMM	32 GB (3)
Video controller	Integrated in BMC
Memory	8 MB (shared)
HDD	Hot Swap
HDD controllers	SAS/SATA
Channels	1
Connector int.	4
Connector ext.	0
RAID	H1110
Hot Swap disk standard	Open Bay 2.5" HS SAS/SATA
Tape backup	0
Total bays	5
5.25/3.5-in half-high(1)	1
3.5-in slim	0
2.5-in slim	4
Hot-swap	4
Internal capacity (2)	4.0 TB
Bays available	4
5.25/3.5-in half-high	0
3.5-in slim	0
2.5-in slim	4
Hot-swap	4
Total slots	2
PCI 2.2 (32/33 MHz)	0
PCI-E (1x8, 1x4) (5)	2
Slots available	1
Management proc.	IMM2
Ethernet controller	Dual Gb
Optical drive (SATA)	Multiburner
Diskette drive	0
Power supply	460 w
Number standard	1
Hot-swap	Yes
Redundant power	Optional
Auto restart	Yes

(1) This bay does not support HDD options. It can be used for one ultraslim optical drive.

(2) Based on the installation of 4x 1TB NL 2.5-inch SATA HDDs For the most up-to-date information on supported HDD options, visit

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

(3) Based upon 4x 8GB UDIMM.

(4) Based on the installation of 4x 900GB 2.5-inch SAS HDDs.

(5) x4 slot is dedicated for Hardware RAID card support (for example, H1110 if fitted).

(6) Based on the installation of 4x 2 TB SATA 3.5-inch HDDs.

(7) This bay does not support HDD options. It can be used for removable media devices such as tape backup.

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

Refer to the following Hardware Announcements for product information:

New part number	Standard part number	IBM announcement number	Announcement date
2582KBG	258232G	ZG11-0029	Sept 13, 2011
2583KBG	2583C2G	ZG12-0103	May 14, 2012
2583KGG	2583F2G	ZG12-0103	May 14, 2012

Product number

Description	Machine type	Model	Part number
IBM System x			
Express Model 3100 M4	2582	KBG	2582KBG
Express Model 3250 M4	2583	KBG	2583KBG
Express Model 3250 M4	2583	KGG	2583KGG

x3100 M4 Details

2582KBG 1x Pentium G870 3.1GHz 2C 3MB / 1333DDR3 (65W), 4GB (1x 4GB (2Rx8, 1.35V 1333MHz) UDIMM), 1x 500GB 7K2 3.5" SS SATA(4), C100, DVD, 1x350W Fixed PSU

x3250 M4 Details

2583KBG 1x Xeon E3-1230v2 4C, 3.3GHz 8MB/ 1600 DDR3 (69W), 4GB (1x 4GB (2Rx8, 1.5V 1600MHz) UDIMM), 2x500GB 7K2 NL 2.5" HS SAS(4), H1110, Multiburner, 1x300W 80+ Bronze Fixed PSU

2583KGG 1x Xeon E3-1220v2 4C 3.1GHz 8MB/ 1600 DDR3 (69W), 4GB (1x 4GB (2Rx8, 1.5V 1600MHz) UDIMM), O/B 2.5" HS SAS/ SATA(4), H1110, Multiburner, 1x460W 80+ silver HS PSU

Announced in: See listed countries in the [Announcement countries](#) section.

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

None

Security, auditability, and control

For a complete description of each product, refer to the IBM announcements 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

- One year - x3100 M4
- Three years - x3250 M4

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 is

feature 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 it is installed in.

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

x3100 M4

- Battery

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.

The following have been designated as a Tier 1 CRU:

x3100 M4

- Blank filler
- Cable-management arm
- CMOS batteries
- Hard disk drive
- Hot-swap fan
- Hot-swap power supply
- Lift handle kit
- Memory DIMM
- Memory expansion card
- Optical drive
- PCI adapter
- PCI divider
- Power cord

- Service label
- Service processor
- System label
- Top cover
- Voltage regulator module

x3250 M4

- Baffles
- Blank filler
- Cable-management arm
- CMOS batteries
- Hard disk drive
- Hot-swap fan
- Hot-swap power supply
- Lift handle kit
- Memory DIMM
- Memory expansion card
- Optical drive
- PCI adapter
- PCI divider
- Power cord
- Service label
- Service processor
- System label
- Top cover
- Voltage regulator module

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

International Warranty Service (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, see Marketing Announcement [ZS01-0168](#), dated September 25, 2001 .

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.

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

The Upgrade level of service is dependent 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
- Estonia (8)
- Finland
- France (except overseas territories)
- Germany
- Greece
- Hungary
- Ireland
- Israel
- Italy
- Jordan
- Kazakhstan
- Kenya
- Kuwait
- Latvia (8)
- Lebanon
- Lithuania (8)
- Libya
- Luxembourg
- Mauritius

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

(8) Order and registration via Finland

Maintenance

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

Licensing

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

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.

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>

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 be placed only 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.

Warranty service upgrades

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

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.

Pricing

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>

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Announcement countries

2582KBG - The following countries ONLY:

- Austria
- Switzerland
- Germany
- Denmark
- Sweden
- Norway
- Finland
- Iceland
- United Kingdom
- Ireland
- Belgium
- Luxembourg
- Netherlands
- France
- Italy
- Spain
- Portugal
- Greece
- Israel
- Cyprus
- Malta

2583KGG - The following countries ONLY:

- Russia
- Armenia
- Belarus
- Georgia
- Kazakhstan
- Kyrgyzstan
- Ukraine
- Azerbaijan
- Tajikistan
- Turkmenistan
- Uzbekistan

2583KBG - The following countries ONLY:

- Afghanistan
- Albania
- Algeria
- Angola
- Bahrain
- Benin
- Bosnia and Herzegovina
- Botswana
- Bulgaria
- Burkina Faso
- Burundi
- Cameroon
- Cape Verde Islands
- Central African Republic
- Chad
- Congo Rep
- Congo, The Democratic Republic of
- Cote D'Ivoire (Ivory Coast)
- Croatia
- Czech Republic
- Djibouti
- Egypt
- Equatorial Guinea
- Eritrea
- Estonia
- Ethiopia
- Gabon
- Gambia

Ghana
Guinea
Guinea-Bissau
Hungary
Iran, Islamic Republic of
Iraq
Jordan
Kenya
Kosovo
Kuwait
Latvia
Lebanon
Lesotho
Liberia
Libya
Lithuania
Macedonia, The former Yugoslav Republic of
Madagascar
Malawi
Mali
Mauritania
Mauritius
Moldova, Republic of
Montenegro
Morocco
Mozambique
Namibia
Niger
Nigeria
Oman
Pakistan
Palestinian Territory
Poland
Qatar
Romania
Rwanda
Sao Thome Island
Saudi Arabia
Senegal
Serbia
Seychelles
Sierre Leone
Slovakia
Slovenia
Somalia
South Africa
Sudan
Swaziland
Syria (Syrian Arab Republic)
Tanzania
Togo
Tunisia
Turkey
Uganda
United Arab Emirates (Abu Dhabi, Dubai)
Western Sahara
Yemen
Zambia
Zimbabwe

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