

## Lenovo TopSeller portfolio is updated to include new System x3650 M5 model

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### Overview

Effective April 21, 2015, Lenovo® announces a new TopSeller 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 Lenovo 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	Announcement number	Announcement date
5462K1G	5462C2G	ZG14-0253	Sept 9, 2014

### Key prerequisites

None

### Planned availability date

April 21, 2015

### Description

	5462K1G
Processor	Xeon E5-2620 v3 (85W)
Internal speed	2.4 GHz
External speed	8.0 GTS
Number cores	6
Number standard	1
Maximum	2
Cache (full-speed)	15 MB
Memory (PC4-17000-CL15 DDR4 2133MHz)	16 GB ECC 2133MHz RDIMM
DIMM sockets	1 x 16GB (2Rx4,1.2V)
Capacity	24
	768 GB <sup>1</sup>

Video	SVGA
Memory	16 MB
HDD controller	SAS/SATA
Channels	8
Connector internal	2
Connector external	0
RAID controller	M5210 + 2GB Flash <sup>2</sup>
HDD <sup>3</sup>	open-bay 2.5" HS SAS/SATA
Total bays	19 (with upgrades)
5.25 slim	1
3.5-in tape	0
Hot-swap (3.5-in)	0
Hot-swap (2.5-in)	18 (with upgrades) <sup>4</sup>
Internal capacity	28.8 TB (with SSD upgrades) <sup>4</sup>
Bays available	8 standard
5.25 slim	0
3.5-in tape	0
Hot-swap (3.5-in)	0
Hot-swap (2.5-in)	8 standard <sup>3</sup>
Maximum PCI Gen3 slots	9 (with upgrades) <sup>8</sup>
PCI-E Gen3 x8 LP	1 standard
PCI-E Gen3 x16 LP	1 (with 2nd processor upgrade) <sup>7</sup>
PCI-E Gen3 x8 FHFL	4 (with upgrades) <sup>6,8</sup>
PCI-E Gen3 x8 FHHL	2 (with upgrades) <sup>6,8</sup>
PCI-E Gen3 x8 LP	1 (slotless, for RAID card)
PCI-E slots available	1 standard <sup>5</sup>
PCI-E Gen3 x8 LP	1 standard
PCI-E Gen3 x16 LP	0
PCI-E Gen3 x8 FHFL	0
PCI-E Gen3 x8 FHHL	0
PCI-E Gen3 x8 LP	0 (slotless, for RAID card)
GPUs <sup>11</sup>	
Number standard	0
Maximum	0
System management iMM2	Standard (dedicated port)
Advanced LCD Lightpath	standard <sup>10</sup>
Ethernet controller	4x 1Gb standard
ML2 (via Riser card)	optional <sup>9</sup>
Optical drive (SATA)	Multiburner
Power supply	550 W
Number standard	1
Maximum	2
Hot-swap	Yes
Redundant power	Optional
Auto restart	Yes

<sup>1</sup> Maximum of 768 GB of memory with 24x 32 GB LRDIMMs, when two processors fitted. This will double to 1.5 TB when 64 GB LRDIMMs are available in the future.

<sup>2</sup> RAID card is fitted to dedicated slotless RAID slot.

<sup>3</sup> The standard system can hold 8x 2.5-inch HS HDDs in the front.

<sup>4</sup> Capacity can be doubled with front 8x 2.5-inch HDD expansion option fitted. Capacity can be further increased with rear 2x 2.5-inch HDD kit + RAID card options fitted, to give maximum 18x 2.5-inch HDDs. Maximum capacity is based on installation of 18x 1.6 TB HS SSD with both front 8x 2.5-inch HDD expansion and rear 2x 2.5-inch HDD kit + RAID card options fitted.

**Important note:** When 2x 2.5-inch HDD kit + RAID card options are fitted, it is not possible to add further PCI-E cards via Riser card 1.

For the latest information about supported HDD options, visit

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

<sup>5</sup> Standard models have 1x vertical PCI-E slots as standard when 1x processor is fitted plus 1x dedicated slotless RAID slot.

<sup>6</sup> With 1x processor fitted, up to 4x PCI-E slots are possible when an optional Riser card 1 is fitted; this adds a further two or three slots:

1x PCI-E Gen3 x16 FH/FL plus 1x PCI-E Gen3 x8 FH/HL

**or**

1x PCI-E Gen3 x16 FH/FL plus 1x ML2

**or**

2x PCI-E Gen3 x8 FH/FL plus 1x PCI-E Gen3 x8 FH/HL

**or**

2x PCI-E Gen3 x8 FH/FL plus 1x ML2

**Important note:** When PCI-E cards via Riser card 1 are fitted, it is not possible to add 2x 2.5-inch HDD kit + RAID card options.

<sup>7</sup> Fitting 2x processors provides 2x vertical PCI-E slots as standard.

<sup>8</sup> With 2x processors fitted, up to 8x PCI-E slots are possible when optional Riser card 1 <sup>6</sup> PLUS Riser card 2 are fitted.

Riser card 2 adds a further two or three slots:

1x PCI-E Gen3 x16 FH/FL plus 1x PCI-E Gen3 x8 FH/HL

**or**

2x PCI-E Gen3 x8 FH/FL plus 1x PCI-E Gen3 x8 FH/HL

<sup>9</sup> 1x 10/40 Gb Mezz LAN card ML2 can be fitted via optional Riser card 1 only.

<sup>10</sup> Advanced LCD Lightpath module fitted to front.

<sup>11</sup> Support for maximum 2x 300 W GPUs (PSU and CPU dependencies exist) The x16 FH/FL Riser card 1 <sup>6</sup> or Riser card 2 <sup>8</sup> are needed. GPU configurations are currently via CTO only.

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## Reference information

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New part number	Standard part number	Announcement number	Announcement date
5462K1G	5462C2G	ZG14-0253	Sept 9, 2014

For product information, refer to Hardware Announcement [ZG14-0253](#), dated September 09, 2014.

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## Product number

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Description	Machine type	Model	Part number
TopSeller Model x3650 M5	5462	K1G	5462K1G
x3650M5 details			
5462K1G 1x Xeon E5-2620v3 2.4GHz 15M 6C 1866MHz (85W), 16GB (1x 16GB (2Rx4, 1.2V) 2133MHz LP RDIMM), O/B 2.5" HS SAS/SATA, M5210(2GB flash), LCD, Multiburner, 1x550W HS PSU			

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## Technical information

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### **Security, auditability, and control**

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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**

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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.

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## Terms and conditions

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

### **Warranty period**

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Three years.

### **Terms and conditions for TopSeller products**

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

**Note:** Copies of the TopSeller Program Terms and Conditions are available locally.

In summary:

- Orders for TopSeller products must be placed on an order specifically identified as 'TopSeller' and should not contain any other (non-TopSeller) product.
- Orders may only be placed for currently eligible TopSeller products
- Lenovo will undertake to deliver products purchased under the terms of the TopSeller program within a specified number of days. For full details of the delivery terms for your country, refer to the TopSeller 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 Lenovo 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

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[http://www.ibm.com/servers/support/machine\\_warranties/machine\\_code.html](http://www.ibm.com/servers/support/machine_warranties/machine_code.html)

Machine using LMC Type Model xxxx-xxx

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**Prices**

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## **Announcement countries**

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All European, Middle Eastern, and African countries.

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