



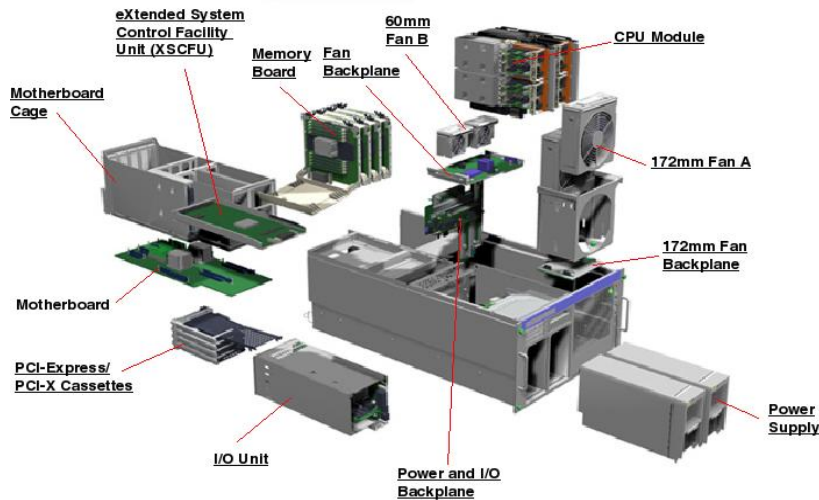
## Servers from BIG Iron™

### Sun Servers



The Sun SPARC Enterprise M4000 server is a mid-range data center-class system, and comes in an entry-level configuration. It allows for fast out-of-the-box deployment for tasks, collaboration and applications.

SEEPDCB2Z (M4000, Sun Sparc M4000, SPARC M4000 Enterprise M4000) -  
SEEPDCB2Z, Sun SPARC Enterprise M4000 Server, Sun M4000 With 2 X2.4GHz CPU,  
32GB Sun Memory, 2X146GB Sun Disk Drives  
SKU: SEEPDCB2Z  
Dubai Price USD 50,000 AED 182,500 PKR 4,197,500





## Servers from BIG Iron™



### Sun SPARC M5000



The 17.5-inch tall Sparc Enterprise M5000 accommodates up to eight of Fujitsu's 2.15GHz dual-core Sparc64 VI "Olympus" processors and 256GB of memory. In addition to the M4000 and M5000, Fujitsu and Sun sell the lower-end T1000 and T2000 UltraSparc T1 "Niagara"-based servers



## Servers from BIG Iron™

### Sun M8000

The Sparc Enterprise M8000 can house as many as 16 of Fujitsu's 2.28GHz or 2.4GHz dual-core Sparc64 VI processors and as much as 512GB of memory. This higher-end system has a starting price of about \$250,000.





## Servers from BIG Iron™

### Sun M9000

The top-end Sparc Enterprise M9000-64 houses up to 64 of Fujitsu's 2.28GHz or 2.4GHz dual-core Sparc64 VI "Olympus" processors and as much as 2 terabytes of memory. The M9000-32, a 32-processor configuration, is available in a single cabinet. Top-end configurations cost millions of dollars, according to Sun.





## Servers from BIG Iron™

### **IBM Servers**

With an energy-smart design for exceptional, cost-effective application computing, the IBM System x3650 M2 delivers up to 128 GB of memory (planned availability 2Q 2009) and up to 3.6 TB of internal storage (SAS/SATA). It also provides high memory throughput and robust processing for effective response times at peak volumes.



## Servers from BIG Iron™

*Reduce cost, improve service and manage risk with exceptional power-optimized performance, virtualization and management*



### IBM System x3650 M2



#### Highlights

- ***Reduce cost with an energy-smart design that provides optimal computing performance per watt***
- ***Improve service with a flexible design that is easy to deploy, integrate and manage***
- ***Manage risk with resilient architectures and virtualized environments***

#### **Energy-efficient profile**

The IBM System x3650 M2 offers robust, proven technology and a flexible, energy-smart design. Delivering quad-core computing on Intel® Xeon® 5500 Series processors with QuickPath Interconnect technology, this server delivers significant performance improvement per watt compared to previous generation servers by integrating low-wattage components for an energy-smart thermal profile.

#### **Powerful systems management**

The x3650 M2 offers feature-rich management capabilities from power management to proactive hardware monitoring. The Integrated Management Module (IMM)

increases server availability by continuously monitoring your system and notifying you of potential system failures or changes. The Virtual Media key option provides remote presence capabilities without taking up a slot on the planar, while IBM Systems Director Active Energy Manager™ delivers advanced power monitoring and notification.

#### **Designed for virtualization**

Designed to provide leadership virtualization, the x3650 M2 supports the VMware ESXi 3.5 embedded hypervisor, the industry-leading solution for virtualization. In addition, the x3650 M2 provides exceptional memory per core, enabling you to implement virtualization efficiently and cost-effectively.

Select configurations of the x3650 M2 are part of the IBM Express Advantage™ Portfolio, designed to meet the needs of midsized businesses. Easy to manage, Express™ models/configurations vary by country.



## Servers from BIG Iron™



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<sup>1</sup> Maximum internal hard disk and memory capacities may require the replacement of any standard hard drives and/or memory and the population of all hard disk bays and memory slots with the largest capacity supported drives available. When referring to variable speed CD-ROMs, CD-Rs, CD-RWs and DVDs, actual playback speed will vary and is often less than the maximum possible.

<sup>2</sup> GB and TB = 1,000,000,000 and 1,000,000,000,000 bytes, respectively, when referring to storage capacity. Accessible capacity is less.

<sup>3</sup> IBM hardware products are made from new parts, or new and serviceable used parts. Regardless, our warranty terms apply. For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC 27709, Attn: Dept. JDJA/B203. IBM makes no representation or warranty regarding third-party products or services, including those designated as ServerProven®.

XSD03036-USEN-03

### IBM System x3650 M2 at a glance

<b>Form factor/height</b>	2U rack
<b>Processor (max)</b>	Up to 2 quad-core Intel Xeon 5500 Series with Intel QuickPath Interconnect (QPI) technology, up to 2.93 GHz and up to 1333 MHz front-side bus
<b>Number of processors (std/max)</b>	1/2
<b>Cache (max)</b>	Up to 8 MB
<b>Memory<sup>1</sup> (max)</b>	1 GB, 2 GB, 4 GB or 8 GB DDR-3 RDIMMs with 16 slots up to 128 GB maximum memory
<b>Expansion slots (I/O)</b>	4 PCI-Express (4x8) Gen 2 slots: 2x8 full-length, full-height; 1x8 half-length, full-height; 1x8 low-profile. 4x8 are convertible to 2x16 via optional risers. Also, 2x PCI-X via optional risers
<b>Disk bays (total/hot-swap)</b>	Up to twelve 2.5" hot-swap Serial Attached SCSI (SAS)/Serial ATA (SATA) HDDs or solid state drives (SSDs)
<b>Maximum internal storage<sup>1,2</sup></b>	Up to 6.0 TB hot-swap SAS or up to 6.0 TB hot-swap SATA or up to 600 GB hot-swap SSD storage
<b>Network interface</b>	Integrated 2 ports, plus 2 ports optional Gigabit Ethernet
<b>Power supply (std/max)</b>	1/2; 675 W each
<b>Hot-swap components</b>	Power supplies, fan modules, disks
<b>RAID support</b>	Hardware RAID-0, -1, -1E or RAID-0, -1, -10, -5, -50 (with additional option -6, -60) model dependent
<b>Systems management</b>	IBM IMM with Virtual Media Key for optional remote presence enablement, Predictive Failure Analysis, Integrated Service Processor, Diagnostic LEDs, light path diagnostics panel, Automatic Server Restart, IBM Systems Director and IBM Systems Director Active Energy Manager, IBM ServerGuide
<b>Operating systems supported</b>	Microsoft® Windows Server 2003 and 2008, Red Hat Enterprise Linux®, SUSE Linux Enterprise Server and VMware ESXi 3.5 embedded hypervisor
<b>Limited warranty<sup>3</sup></b>	3-year customer replaceable unit and onsite limited warranty

### For more information

#### World Wide Web

U.S. [ibm.com/systems/x](http://ibm.com/systems/x)  
Canada [ibm.com/ca/en/systems/x](http://ibm.com/ca/en/systems/x)



Recyclable, please recycle.



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## Specifications

Product property	Value
PRODUCT NAME	IBM X3650M2 XEON QC E5540 2.53GHZ/8MB/2G
PRODUCT CODE	794762G
MANUFACTURER'S CODE	794762G
EAN-CODE	5051045039765
MANUFACTURER	IBM
PRODUCT GROUP	SERVERS
TYPE/MODEL	7947-62G
PRIMARY COUNTRY	Universal
CASE	RACK MOUNT
PROCESSOR	Quad Core Intel Xeon E5540
CLOCK SPEED	2533 MHz
L2 CACHE	N/A
L3 CACHE	8 MB
FRONT SIDE BUS	5.86 GT/s
AMOUNT OF PROCESSORS	1
AMOUNT OF PROCESSORS MAX	2
MULTI PROCESSOR SUPPORT	YES
MAIN MEMORY	2048 MB
AVAILABLE MEMORY SLOTS	14
MAXIMUM MEMORY (MB)	131072
MEMORY BUS	DDR3-1333
HARD DISK (GB)	0 GB
AMOUNT DISKS	0
AMOUNT DISKS (MAX)	8
HARD DISK RPM	-
HOT SWAP SLOTS	8
NON HOT SWAP SLOTS	0
DISK CONTROLLER	SATA/SAS
RAID-CONTROLLER	ServerRAID-MR10i SAS/SATA Controller
POWER SUPPLY	Hot Swap



## Servers from BIG Iron™

AMOUNT OF POWER SUPPLIES	1
AMOUNT OF POWER SUPPLIES MAX	2
DRIVE TYPE	DVD-ROM & CD-RW Combo
5.25" DEVICE BAYS	0
3.5" DEVICE BAYS	0
PCI SLOTS	0
PCI-EXPRESS SLOTS	4
GRAPHIC CARD	Matrox. G200e integrated in IMM on systemboard
GRAPHIC CARD MEMORY	16 MB
NIC	2 * 10/100/1000 RJ-45
PARALLEL PORTS	0
SERIAL-PORTS	1
USB-PORTS	4
EXPANSION PORTS	RJ-45,Serial,USB 2.0,VGA-out,
KEYBOARD	N/A
WEIGHT NETTO (kg)	29.6
DIMENSIONS (H x W x D cm)	8.54 x 44.36 x 69.80
FLOPPY DRIVE	N/A

Dubai Price : USD 4,200 AED 15,330 PKR 352,590