

Ultradense, affordable server for edge-of-network and Web-based systems



## IBM *@*server xSeries 306



---

### Highlights

---

- ***New features provide innovative functionality with entry-level affordability***
- ***Robust serving power improves systems performance and manageability***
- ***1U rack design provides cost-effective serving in an ultradense form factor***

The IBM *@*server<sup>®</sup> xSeries<sup>®</sup> 306 offers entry-level affordability with value-added innovation to meet the edge-of-network and Web-serving needs of midsize and large enterprises.

#### **Innovation at an affordable price**

Help lower total computing cost while optimizing performance with innovative features offered at an entry-level price:

- *New simple-swap Serial ATA drive models provide easy tool-less installation of hard drives and help maximize system availability.*
- *New integrated IBM ServeRAID<sup>™</sup> 7e enables you to configure RAID 0 or 1 for both SATA or SCSI without sacrificing the use of a PCI slot.*

- *New systems management functions, including ASF 2.0, provide highly secure, remote power-on and off function.*

#### **Robust functionality for improved performance**

Features including the new Intel<sup>®</sup> Pentium<sup>®</sup> 4 processors with 800MHz front-side bus, 1MB L2 cache, Ultra 320 drives or Serial ATA drives help optimize performance based on your system requirements. These features offer functionality powerful enough for midsize and large enterprises, yet affordable enough to stay within your budget.

#### **Space-efficient form factor**

The 1U rack design of the x306 helps optimize space-constrained environments with one of the smallest form factors in the industry. The 20"-deep mechanical allows up to 42 systems per industry-standard 19" rack. And the small depth improves ease of use with efficient cooling and simplified cable management.

### Get it now

---

go to **ibm.com/eserver/xseries** or call 1 888 **ShopIBM**  
to buy direct or to locate an IBM reseller



© Copyright IBM Corporation 2004

Produced in the USA

June 2004

All Rights Reserved

IBM reserves the right to change specifications or other product information without notice. This publication could include technical inaccuracies or typographical errors. References herein to IBM products and services do not imply that IBM intends to make them available in other countries. IBM makes no representations or warranties regarding third-party products or services. IBM PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions; therefore, this disclaimer may not apply to you.

IBM @server systems are assembled in the U.S., Great Britain, Japan, Australia and Brazil and comprise U.S. and non-U.S. components.

IBM, the IBM logo, the e-business logo, @server, ServeRAID and xSeries are trademarks or registered trademarks of IBM Corporation in the United States, other countries or both. For a list of additional IBM trademarks, go to

[ibm.com/legal/copytrade.shtml](http://ibm.com/legal/copytrade.shtml).

Intel is a registered trademark of Intel Corporation in the United States, other countries or both.

Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States, other countries or both.

Red Hat, the Red Hat "Shadow Man" logo, and all Red Hat-based trademarks and logos are trademarks or registered trademarks of Red Hat, Inc., in the United States and other countries.

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

<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 currently 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.

## xSeries 306 at a glance

<b>Form factor/height</b>	Rack/1U
<b>Processor</b>	Intel® Pentium® 4 Processor up to 3.2GHz/800MHz front-side bus
<b>Number of processors (std/max)</b>	1/1
<b>Cache (max)</b>	1MB L2
<b>Memory<sup>1</sup> (std/max)</b>	512MB/4GB PC2700/PC3200 DDR standard (model dependent)
<b>Expansion slots</b>	2 PCI-X (66MHz)
<b>Disk bays (total/simple-swap)</b>	2/2 (SATA models only)
<b>Maximum internal storage<sup>1</sup></b>	320GB <sup>2</sup> SATA or 293.6GB SCSI
<b>Network</b>	Dual integrated 10/100/1000 Ethernet
<b>Power supply (std/max)</b>	300W 1/1
<b>Hot-swap components</b>	Simple-swap SATA drives
<b>RAID support</b>	Integrated IBM ServeRAID 7e (RAID 0, 1)
<b>Systems management</b>	Standard: Automatic Server Restart, IBM Director, Alert Standard Format 2.0, Wake on LAN®, ServerGuide and Text Console Redirect Over LAN Optional: Remote Deployment Manager and IBM Remote Supervisor Adapter II supported
<b>Operating systems supported</b>	Microsoft® Windows® Server 2003, Windows 2000®/Advanced Server, Red Hat® Linux or SUSE LINUX
<b>Limited warranty<sup>3</sup></b>	1-year onsite limited warranty

## For more information:

### World Wide Web

U.S. [ibm.com/eserver/xseries](http://ibm.com/eserver/xseries)  
Canada [ibm.com/ca/eserver/xseries](http://ibm.com/ca/eserver/xseries)

### Buy Direct

U.S. 1 888 SHOP IBM  
Canada 1 888 SHOP IBM

### Reseller locator and general information

U.S. 1 800 426-4968  
Canada 1 800 426-2255

<sup>2</sup> When referring to storage capacity, GB = 1,000,000,000 bytes. Accessible capacity is less.

<sup>3</sup> **Visit [ibm.com/pc/safecomputing](http://ibm.com/pc/safecomputing) periodically for the latest information on safe and effective computing.**

Warranty Information: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, N.C. 27709, Attn: Dept. JDJA/B203. IBM makes no representation or warranty regarding third-party products or services including those designated as ServerProven or ClusterProven. Telephone support may be subject to additional charges. For onsite labor, IBM will attempt to diagnose and resolve the problem remotely before sending a technician.