

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



IBM @server® xSeries 306



Highlights

- ***New features such as 64-bit processing performance 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® xSeries® 306 offers affordability and innovation to meet the edge-of-network and Web-serving needs of midsize and large enterprises. The x306 features Intel® Extended Memory 64 Technology for an easy migration path to 64-bit computing, delivering investment protection and enhanced performance.

Help lower computing costs while optimizing performance:

- *New simple-swap Serial ATA drive models provide easy tool-less installation of hard drives and help maximize system availability*
- *Integrated IBM ServeRAID™-7e enables configuring RAID-0 or -1 for SATA or SCSI without sacrificing a PCI slot*

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

Expect improved performance

Features including new Intel® Pentium® 4 processors with 800 MHz front-side bus, 1MB L2 cache, Ultra320 or Serial ATA drives help optimize performance based on system requirements. These features offer functionality powerful enough for midsize and large enterprises, yet affordable enough to stay within budget.

Space-efficient form factor

The 1U rack design of the x306 helps optimize space-constrained environments with one of the industry's smallest form factors. 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.

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Select configurations of the x306 are part of the IBM Express Portfolio, designed, developed and priced to meet the specific needs of midsized businesses. The IBM Express Portfolio of solutions are easy to acquire, install and manage. Express models and configurations vary by country.

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¹ 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.

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

xSeries 306 at a glance	
Form factor/height	Rack/1U
Processor	Intel® Pentium® 4 Processor up to 3.4 GHz/800 MHz front-side bus (select models include Intel® Extended Memory 64 Technology)
Number of processors (std/max)	1/1
Cache (max)	1MB L2
Memory¹ (std/max)	512MB/4GB PC2700/PC3200 DDR standard (model dependent)
Expansion slots	2 PCI-X (66 MHz)
Disk bays (total/simple-swap)	2/2 (SATA models only)
Maximum internal storage^{1,2}	500GB SATA or 293.6GB SCSI
Network	Dual integrated 10/100/1000 Ethernet
Power supply (std/max)	300W 1/1
Hot-swap components	Simple-swap SATA drives
RAID support	Integrated IBM ServeRAID-7e (RAID-0, -1)
Systems management	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
Operating systems supported	Microsoft® Windows® Server™ 2003, Windows 2000®/Advanced Server, Red Hat® Linux® or SUSE LINUX
Limited warranty³	1-year or 3-year onsite limited warranty (model dependent)

For more information:

World Wide Web

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