

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® xSeries® 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™ 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® Pentium® 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.

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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.

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 3.0GHz/800MHz front-side bus
Number of processors (std/max)	1/1
Cache (max)	1MB L2
Memory ¹ (std/max)	512MB/4GB PC2700 standard (optional PC3200)
Expansion slots	2 PCI-X (66MHz)
Disk bays (total/simple-swap)	2/2 (SATA models only)
Maximum internal storage	240GB ² 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 warranty ³	1-year onsite limited warranty

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³ Visit ibm.com/pc/safecomputing periodically for the latest information on safe and effective computing.

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