

Dedicated and optimized, business-critical file and print application storage server for data-dense environments



IBM System x3650 NAS



Highlights

- ***Get storage growth consolidation and central management locally and remotely***
- ***Use in minutes and manage easily with the preloaded and preconfigured storage solution***
- ***Protect IT investments with flexible end-user backup and a gateway to existing storage networks***

New performance benefits

For growing storage environments, the IBM System x3650 NAS offers flexibility and reliability. Separating dedicated file-serving functions from application operations relieves the CPU from being overburdened. With the Windows® Storage Server 2003 R2 Operating System and IBM Tivoli® CDP transparent backup software, achieve higher performance and save valuable network bandwidth and critical user productivity.

Simple management and maintenance

IBM storage servers offer many of the benefits of shared pool storage solutions like storage area networks (SANs)

but without complicated installation and administration. These also support heterogeneous clients and servers utilizing common network access protocols: NFS for UNIX® and Linux® servers, and CIFS. A remotely accessible User Interface helps manage print and file quotas and easily integrate into existing AD environments.

Protect your IT investment

Protect clients' infrastructure, including the server and end-user data. The pre-configured ServerProven® hardware and IBM ServeRAID™ reliability make this an optimized solution that decreases capital equipment costs and reduces IT staff hours. By making storage devices LAN addressable, this frees storage from direct attachment to a consolidated server and enables any-to-any connectivity, which can be clustered for failover redundancy.

Select configurations of the x3650 NAS are part of the IBM Express Portfolio™, designed and priced to meet the needs of midsized businesses.

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IBM System x3650 NAS at a glance

Form factor/height	Rack/2U
Processor (max)	Dual-Core Intel® Xeon® Processor 5130 2.0 GHz
Number of processors (std/max)	1/2
Cache (max)	2x2MB
Memory ¹ (std/max)	1GB/48GB Fully Buffered DIMM 667 MHz via 12 DIMM slots
Expansion slots	4 PCI-Express or 2 PCI-X and 2 PCI-Express
Disk bays (total/hot-swap)	8/8
Maximum internal storage ^{1,2}	1.8TB hot-swap SAS, 15TB hot-swap SAS (external)
Network interface	Integrated dual Gigabit Ethernet
Power supply (std/max)	835W 1/2
Hot-swap components	Power supply, fans and hard disk drives
RAID support	Integrated RAID-1/RAID-5
Systems management	IBM PowerExecutive™ (included with IBM Director), Integrated Service Processor, Diagnostic LEDs, drop-down light path diagnostics panel, Automatic Server Restart, optional Remote Supervisor Adapter II SlimLine, IBM Director, ServerGuide™ and optional Remote Deployment Manager
Operating systems supported	Microsoft® Windows Storage Server 2003 R2 Standard or Enterprise Edition
Limited warranty ³	3-year onsite limited warranty

For more information

World Wide Web

U.S.	ibm.com/servers/eserver/xseries/storage/servers_storage.html
Canada	ibm.com/ca/en/servers/eserver/xseries/storage/servers_storage.html

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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 and TB = 1,000,000,000,000 bytes. Accessible capacity is less.

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