

HP ProLiant ML110 Storage Server

Data sheet



The HP ProLiant ML110 Storage Server offers an entry level, 5U tower networked attached storage (NAS) solution for small and medium business environments. Optional HP ProLiant Storage Server iSCSI Feature Pack software adds iSCSI target functionality and block-level storage services. This combination creates an iSCSI Storage Server solution that is capable of hosting file, print and application storage services on a single platform. The ML110 Storage Server requires an optional upgrade kit to be used as a print server.

With host-based data replication and failover capabilities using HP OpenView Storage Mirroring software, data can be exchanged with a main office to support business continuity needs.

The ML110 Storage Server offers customers quick restore functionality via DVD and dual operating system partitions. In the event the ML110 Storage Server needs to be restored, a Quick Restore DVD allows you to be up and running with a factory default image in minutes not hours.

HP also offers a complete portfolio of services ranging from Storage Design and Architecture to various levels of on-going maintenance support. These services, for both hardware and software, ensure high performance and reliability.

The HP ProLiant ML110 Storage Server is ideal for small or branch offices looking to lower IT costs. The ML110 Storage Server delivers quick-to-install and simple-to-manage networked storage for files and Microsoft Exchange 2003 data, and can be upgraded to an iSCSI based storage consolidation solution.

The HP ProLiant ML110 Storage Server offers network attached storage (NAS) for file sharing, plus remote manageability for small or branch office locations at a price suitable for smaller IT budgets.

Features and benefits

- *Ready to deploy:* The hardware is pre-configured and the operating system is pre-installed from the factory allowing you to deploy the system in minutes
- *Cost-effective:* Low acquisition cost fits smaller capital spending budgets: provides file and Microsoft Exchange storage services in a single simple-to-manage storage server
- *Simple management:* Web-based user interface enables system administrators to set up and manage the ML110 Storage Server in only a few short steps
- *Remote manageability:* Supports remote management via web GUI or command console
- *Versatile:* Each model provides a different processor, memory size and capacity point allowing customers to choose the one appropriate for their needs; with optional print upgrade the ML110 Storage Server can also be used as a print server
- *High performance:* Uses the latest Intel® Celeron™ or Pentium® 4 processors, fastest ATA hard disk drives, and hardware-based RAID for optimal performance
- *Reliable:* Provides data protection capabilities like hardware-based RAID and support for multiple backup and anti-virus packages
- *Open:* Supports all the major file serving protocols including SMB/CIFS, NFS, NCP, AppleTalk, HTTP and FTP

HP ProLiant ML110 Storage Server



Form factor	5U tower
Operating system	Microsoft Windows Storage Server 2003 Express Edition (without print serving)
Processor speed	2.66 GHz Intel Celeron, 2.8 GHz Intel Pentium 4, 3.2 GHz Intel Pentium 4
Memory	256 MB up to 4 GB
Storage capacity (raw)	320 GB (4 x 80 GB), 640 GB (4 x 160 GB) and 1 TB (4 x 250 GB)
Drive type	Serial ATA (SATA)
Data protection	Hardware RAID 0, 1, 0+1, 5
Restore functionality	Dual operating system partition and quick restore DVD
Dimensions (HxWxD)	16.9 x 7.9 x 21.7 in/43.0 x 20.0 x 55.0 cm
Temperature range	50° F to 93° F/10° C to 35° C (operating) -40° F to 150° F/-40° C to 66° C (shipping)
Humidity range	20% to 80% (operating) 5% to 90% (non-operating)
Weight	37 lb/16.8 kg (without packaging)

Ordering information

Part number	Product name	Description
367984-XX1*	ML110 Storage Server	320 GB fixed capacity
367985-XX1*	ML110 Storage Server	640 GB fixed capacity
367986-XX1*	ML110 Storage Server	1 TB fixed capacity
* Country code	The following are country codes for ordering a ML110 Storage Server solution specific to your country: XX=00 US XX=29 Japan XX=01 Australia XX=37 Asia Pacific XX=16 Latin America XX=42 Euro	

Options:

354557-B21	256 MB PC3200 DDR SDRAM DIMM Memory
354560-B21	512 MB PC3200 DDR SDRAM DIMM Memory
354563-B21	1024 MB PC3200 DDR SDRAM DIMM Memory
377385-B21	HP ProLiant ML110 Storage Server Print Upgrade
331346-B21	CD-RW/DVD-ROM Combo Drive Option
238547-B22	HP ProLiant Rack Enabling Kit
T3669A	HP ProLiant Storage Server iSCSI Feature Pack (Standalone Edition)—Includes media, license key retrieval instructions, and documentation. Also includes HP ProLiant Application Storage Manager software. For use on standalone HP ProLiant Storage Server and HP StorageWorks NAS server products.

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What's included

The HP ProLiant ML110 Storage Server ships with all hardware and software needed to configure and serve files in a heterogeneous environment. The ML110 Storage Server ships with a single Intel Celeron or Pentium 4 processor, 256 MB, 512 MB or 1 GB of DRAM (dependent on model), four Serial ATA hard drives and a single power supply. All models ship with an integrated SCSI card for attachment of a tape backup device. The ML110 Storage Server comes with Microsoft Windows Storage Server 2003 Express Edition operating system pre-installed.

Warranty and support

(1-1-1) Hardware Warranty; 1-year parts, 1-year on-site (standard business hours, next business day response), and 1-year labor. Note: The hardware warranty covers firmware and embedded non-saleable software. Saleable software carries its own warranty. HP's Limited Software Warranty; the software media will be free of physical defects for a period of ninety (90) days from delivery.

EXCLUSIVE REMEDY. The entire liability of HP and its suppliers and your exclusive remedy for software that does not conform to this Limited Warranty shall be the repair or replacement of the defective media. This warranty and remedy are subject to your returning the defective media during the warranty period to HP in the country in which you obtained the software.

Product installation is available, but not included in the warranty.

Warranty and support options

The basic warranty service can be enhanced and HP Installation services can be purchased. Support options with various response times and durations are available. These services include, but are not limited to, 4-hour same day and next day, as well as extended coverage periods, 24x7, 1-year and 3-year.

Financial Services

HP Financial Services provides innovative financing and financial asset management programs to help you cost-effectively acquire, manage, and ultimately retire your HP solutions. For more information on these services, please contact your HP sales representative or find us on the web at: www.hp.com/go/hpfinancialservices

HP Customer Support

HP Customer Support provides a broad spectrum of services to commercial and enterprise customers, including performance and availability services such as proactive mission-critical services and support management services for deployment of the entire IT infrastructure, including HP and multivendor environments. For more information on these services, contact your HP sales representative or visit www.hp.com/hps/support

For more information

For more information on HP ProLiant Storage Servers visit: www.hp.com/go/storageservers

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