HP ProLiant ML110 Generation 4 Server

Data sheet

The powerfully simple HP server trusted by value-conscious small businesses

The right size and the right features at the right price

The new compact and powerful HP ProLiant ML110 Generation 4 (G4) Server brings true server reliability and functionality to small businesses, branch offices, and remote locations—for the price of a typical desktop computer. Versatile and easy to use, this server is carefully designed to be practical—delivering all the entry-level server features small businesses typically need—so it remains affordable while delivering today's latest technology innovations.

Some of the exciting features you'll find in this latest version of the ProLiant ML110 G4 Server include Intel® Xeon®, Pentium® D, and Celeron® D processors, DDR2 error-correcting code (ECC) memory, dual serial ports and integrated SATA RAID capability. Also, a mix of PCI and PCI-Express slots deliver the expandability for the future that small businesses require. Plus, the ProLiant ML110 G4 Server can now easily be upgraded with cost-efficient management hardware (Lights-Out 100c) and utilized as a remotely managed.

What's new

Performance
- Intel Xeon, Pentium D and Celeron D processors
- 4 total I/O slots; two (2) 3.3V PCI and two (2) PCI-Express (1x4, 1x8)
- Embedded four disk SATA controller with embedded SATA RAID 0, 1
- PC5300 DDR2 Memory (512 MB standard, 8 GB max)

Management
- Optional HP ProLiant ML110 G4 Lights-Out 100c Remote Management Card -- Delivers essential remote management functionality at a cost-effective price

Options
- USB DAT tape drives for value-based backup solutions
- UPS options to help secure data
- Optional drive key via front USB or internal USB for multiple boot options

Design
- Four (4) HHD bays in an improved chassis design
- Six (6) total USB ports (two front, two rear, two internal)
- Easily accessible chassis for upgrade and expansion

Key features and benefits

Expandable to grow with changing business needs
- This powerful yet simple platform provides all the relevant server features in an easy-to-use and easy-to-afford package.
- Practical features, such as Intel Pentium 4 and Pentium D processors, DDR II ECC memory, PCI-Express, dual serial ports, front, rear and internal USB 2.0 ports deliver off-the-shelf functionality with the expandability to grow with small business requirements.
- The HP ProLiant ML110 G4 is designed specifically for customers requiring an easy-to-configure, easy-to-use platform. All major components are designed to be removed or installed with minimal effort. When growth becomes necessary for a small business network, the ML110 G4 is easily reconfigurable.

Proven HP dependability and support
- HP has built a reputation of dependability by conducting some of the most rigorous and thorough testing in the industry.
- ProLiant quality that starts with design and is fine-tuned in manufacturing.
- Tireless work on system testing and process control ensures only the most dependable products reach the customer.

A true server at a desktop price
- The HP ProLiant ML110 G4 server incorporates features for small to medium businesses and remote site locations.
- The focus on design provides a simplified server with the right features which maximized the value of the server to the small business.
- The new HP ProLiant 100 Series servers have tailored features to reflect their usage needs while being industry standard.

HP Services

HP Services
HP Services offers comprehensive services to help design, deploy, manage, and support your IT environment and business processes. Our 69,000 skilled professionals and network of partners deliver global capabilities across the IT lifecycle, including consulting, integration, outsourcing, and support.

HP Care Pack Services deliver continuous care
Cost-effectively upgrade or extend your standard warrant with easy-to-buy, easy-to-use support packages. They reduce downtime risks with support levels that range from basic to mission-critical. HP Care Pack Services are available for purchase with your ProLiant ML110 G4 server.

Recommend service offerings:
- **Enhanced Care** options provide a baseline service level to achieve optimum server availability.
  HP ML110 G4 server—3-year, 9x5 next-business-day onsite response hardware support
- **Continuous Care** options deliver a recommended support level with committed same day response or fix times.
  HP ML110 G4 server—3-year, 13x5 same-business-day, 4-hour onsite response hardware support
- **Total Care** service options are designed to provide round-the-clock response and complex problem resolution through integrated hardware and software support.
  HP ML110 G4 server—3-year, 24x7 same-business-day, 4-hour onsite response hardware support
- **Deployment Services** include HP hardware installation services designed to take the time, risk, and worry out of the deployment of ProLiant servers.
  HP ML110 G4 server—Installation of a ProLiant ML110 G4 server

For more information visit:
www.hp.com/services/proliantservices
www.hp.com/go/proliant/carepack

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Processors	Dual-Core Intel Xeon Processor 3050, 2.13 GHz, 1066 MHz, 1x2 GB L2 Cache Dual-Core Intel Xeon Processor 3040, 1.86 GHz, 1066 MHz, 1x2 GB L2 Cache Dual-Core Intel Pentium D Processor 915, 2.8 GHz, 800 MHz, 2x2 GB L2 Cache Dual-Core Intel Pentium D Processor 820, 2.8 GHz, 800 MHz, 2x1 GB L2 Cache Single-Core Intel Celeron D Processor 352, 3.20 GHz, 533 MHz, 512 MB L2 Cache
Cache	1x512 MB L2 (Celeron) / 2 x 1 MB L2 (P820) / 2 x 2 MB L2 (P915) / 1 x 2 MB L2 (Xeon)
RAM standard/maximum	512 MB/8 GB
Hard drive capacity	Up to 4 non-hot plug Serial ATA (SATA) or non-hot plug Serial Attached SCSI (SAS)
Network controller	Broadcom 5721 Gigabit NIC 10/100/1000
Storage controller	Integrated 4 port Serial ATA (SATA Models)
Form factor	Tower (4U) with shelf options available
Expansion slots	4 total available: (2) PCI-Express (1 x4 and 1 x8) (2) 32-bit/33MHz 3.3 V PCI
Operating systems supported	Microsoft® Windows® 2000 Microsoft Windows 2003 Server, Standard Edition (available preinstalled) Microsoft Windows Small Business Server 2003 (available preinstalled) Red Hat Linux, SCO Linux®, SUSE Linux. Note: For an up-to-date listing of the latest ProLiant ML110 G4 Server operating system support matrix, visit **www.hp.com/go/supportos**.

Ideal environments

Ideal applications

- File and print
- Web messaging
- Small vertical applications or databases
- Shared Internet access and LAN infrastructure

Remote site or branch offices of small to medium-sized businesses

- Entry-level, single processor server solution for budget-conscious businesses
- Optional, industry standard remote manageability to manage remote locations
- HP offers a variety of service options to tailor support solutions

Small businesses running light applications

- The ML110 G4 delivers peace of mind through practical design and strenuous testing, helping to ensure dependable performance.
- Growth and adaptability are achieved through memory, HDD and PCI card expandability, giving the ML110 G4 the headroom to grow with small businesses.
- Small businesses can depend on HP to provide equipment that can handle their tasks and support if something goes wrong.

Technology services

HP Technology Services provides a range of services to commercial and enterprise customers. For more information, contact your HP sales representative or visit **www.hp.com/hps/support.**

Financial services

HP Financial Services provides financing and financial asset management programs. For more information, contact your HP sales representative or visit **www.hp.com/go/hpfinancialservices**.

To learn more, visit www.hp.com/servers/proliantml110

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