



HP ProLiant ML110 Generation 5 Server

Data sheet

Can you meet your computing challenges?

Keeping a small business up and running requires a server that is affordable, reliable, and easy to maintain. When you have limited IT resources, you can't assume that you will have staff onsite to handle day-to-day server-related tasks. You need a server that is easy to manage, even from a distance.

How do you meet these needs? Look to the compact and powerful, HP ProLiant ML110 Generation 5 (G5) Server. It delivers true server reliability and functionality for small businesses, branch offices, and remote locations—for the price of a typical desktop computer.

Right size and right features— at the right price

Versatile and easy to use, the ML110 G5 server is designed to be practical and affordable. It delivers all the entry-level server features that small businesses typically need, along with today's latest technology innovations.

Some new features of the ML110 G5 server include Intel® Xeon®, Core™2 Duo, Pentium®, or Celeron® processor, four hard disk drive bays, and an optional HP Lights-Out 100c Remote Management Card that is ideal for remote sites or second offices.



The HP ProLiant ML110 G5 Server is an efficiently-sized server that is ideal for small offices, first networks, and remote sites.

Key features and benefits

Proven HP dependability and support

- Through some rigorous and thorough testing within the industry, HP has built a reputation of dependability. This allows you to deploy the ML110 G5 server with confidence.
- The ML110 G5 server incorporates ProLiant quality that starts with design and is enhanced in manufacturing. Thanks to tireless work on system testing and process control, only the most dependable products reach your environment.

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 Xeon 3000 Series, Core 2 Duo, Pentium or Celeron processor, DDR II ECC memory, PCI-Express slots, serial port, and multiple USB 2.0 ports—deliver off-the-shelf functionality with the expandability to grow with your business.
- The ML110 G5 server is designed specifically for businesses that require an easy-to-configure, easy-to-use platform. All major components are designed to be removed or installed with little effort. When growth becomes necessary for a small business network, the ML110 G5 server is easily reconfigurable.
- Companies with remote locations or trusted advisors can take advantage of the optional HP Lights-Out 100c Remote Management Card to decrease server and company downtime, and to increase productivity.

A true server at a desktop price

- The ML110 G5 server incorporates many features that are ideal for small- and medium-size businesses and remote-site locations.
- The design provides a simplified server with the right features at the right price for a small business.
- ProLiant 100 Series servers have tailored features to reflect the usage needs of small businesses and branch offices.

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-size businesses

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

Small businesses running light applications

- The ML110 G5 server delivers peace of mind through practical design and strenuous testing, helping to deliver dependable performance
- Growth and adaptability are achieved through memory, HDD, and PCI card expandability, giving the ML110 G5 server the headroom to grow with your business
- Small businesses can depend on HP to provide the products and support needed to handle their day-to-day server tasks in a smooth and efficient manner

HP Services

When technology works, business works

The challenge of virtually every IT organization is similar—to develop and maintain an agile, efficient server infrastructure that delivers the service levels your business needs.

HP Technology Services offers a comprehensive portfolio of HP Care Pack Services to help design, deploy, manage, and support your IT environment, enabling cost-effective upgrades to standard warranty with easy-to-buy and easy-to-use support packages.

Minimum recommended HP Care Pack offerings

- 3-year, next business day response onsite, 9-hour x 5-day coverage, hardware support
- Hardware Installation only

Enhanced service-level Care Pack offerings

- 3-year same business day, 4-hour response onsite 13-hour x 5-day coverage, hardware support
- Hardware Installation plus operating system installation and startup

Benefit from HP Care Pack Services that help you

- Reduce deployment time and manage ProLiant server solutions smoothly and efficiently
- Increase uptime and performance of servers' availability to your business
- Detect, diagnose, and repair problems to quickly save time, money, and resources

For more information, visit

www.hp.com/services/proliantservices or
www.hp.com/go/proliant/carepack

HP ProLiant ML110 Generation 5 Server



Processor and memory	
Number of processors	1
Maximum number of cores	4
Processors supported	Quad-Core Intel Xeon processor: X3370, 3.00 GHz, 1333 MHz X3360, 2.83 GHz, 1333 MHz X3330, 2.66 GHz, 1333 MHz X3220, 2.40 GHz, 1066 MHz X3210, 2.13 GHz, 1066 MHz Dual-Core Intel Core 2 Processor: E7400, 2.80 GHz, 1066 MHz Dual-Core Intel Xeon Processor: E3120, 3.16 GHz, 1333 MHz E3110, 3.00 GHz, 1333 MHz Dual-Core Intel Pentium Processor: E2160, 1.80 GHz, 800 MHz Single-Core Intel Celeron Processor: 440, 2.00 GHz, 800 MHz
Processor cores	Single, dual, and quad core
Cache	12 MB Level 2 cache (Xeon X3370, X3360) 8 MB Level 2 cache (Xeon 3200 Series) 6 MB Level 2 cache (Xeon X3330, E3120, E3110) 3 MB Level 2 cache (Core2 Series) 1 MB Level 2 cache (Pentium Series) 512 KB Level 2 cache (Celeron Series)
Maximum processor speed	3.16 GHz
Multi-processor	N/A
Maximum front-side bus speed	1333 MHz
Memory type	PC2-6400 unbuffered DDR2 ECC 800 MHz
Standard memory	1 GB
Maximum memory	8 GB
Advanced memory protection	N/A
Storage	
Storage type	Non-hot plug 3.5-inch SAS Non-hot plug 3.5-inch SATA
Drives supported	Up to 4: Non-hot plug LFF SAS 15K 450/300/146 GB Non-hot plug LFF SATA 7.2K 1 TB/500 GB/250 GB/160 GB
Maximum Internal Storage	1.8 TB SAS; 4.0 TB SATA
Maximum internal drives	4
Removable media bays	2
Expansion slots	4 total: 3 PCI Express (1x8 and 2x1) 1 3.3 V PCI
Storage controller	SATA Models: Integrated 6 ports SATA controller with embedded RAID (4 ports available for Hard Disks) SAS Models: HP SC40Ge Host Bus Adapter with RAID 0, 1 support, FIO

Technical specifications (cont'd)

Operating system

OS choices	Microsoft® Windows® Server 2003 R2 Microsoft Windows Small Business Server 2003 Microsoft Windows Server 2008 Microsoft Windows Small Business Server 2008 Microsoft Windows Essential Business Server 2008 Red Hat Enterprise Linux SUSE Linux Enterprise Server Netware
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For additional information, please visit www.hp.com/go/ossupport

Deployment

Form factor	Tower with Rack Mount Option Kit
Rack height	4U
Networking	Embedded NC105i Express Gigabit Ethernet Server Adapter
Remote management	Standard IPMI 2.0 reporting Lights-Out 100c Remote Management Card (optional)
Warranty (parts/labor/onsite)	Standard: 1-year/1-year/1-year Asia Pacific (excluding Japan): 3-year/1-year/1-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, contact your local HP representative or visit www.hp.com/go/hpfinancialservices

Affordability, reliability, and simplicity make HP ProLiant ML110 G5 server ideal for your growing business. To understand how the ML100 G5 server is well-suited for small offices, first networks, and remote sites, visit: www.hp.com/servers/proliantml110

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