HP ProLiant ML110 Generation 5 Server

Data sheet

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

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.

The right size and the right features— at the right price

Versatile and easy to use, the ML110 G5 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 of the exciting features you'll find in this new generation of the ML110 Server include Intel® Xeon® and Pentium® processors, four hard disk drive bays and an optional HP Lights-Out 100c Remote Management Card that is ideal for remote sites or second offices.

Key features and benefits

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. This testing allows you to deploy the ML110 G5 with confidence.

- The ML110 G5 incorporates ProLiant quality that starts with design and is optimized 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 and Pentium processors, DDR II ECC memory, PCI-Express, dual serial ports, and multiple USB 2.0 ports—deliver off-the-shelf functionality with the expandability to grow with the requirements of your business.

- The ML110 G5 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 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 incorporates many features that are ideal for small and medium-size businesses and remote site locations.

- The design of the ML110 G5 provides a simplified server with the right features and 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 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 the headroom to grow with your business.

- You can depend on HP to provide equipment that can handle your tasks and to support you should something go wrong.

Technical specifications

HP ProLiant ML110 Generation 5 Server

Processor and memory

Number of processors	1
Maximum number of cores	4
Processors supported	Dual-Core Intel Xeon X3075, 2.66 GHz, 4M Dual-Core Intel Xeon X3065, 2.33 GHz, 4M Dual-Core Intel Core2 Duo E4400, 2.00 GHz, 2M Dual-Core Intel Pentium E2160, 1.80 GHz, 1M Single-Core Intel Celeron 440, 2.00 GHz, 512K Single-Core Intel Celeron 420, 1.60 GHz, 512K Quad-Core Intel Xeon X3220, 2.40 GHz, 1066 MHz, 8M Quad-Core Intel Xeon X3210, 2.13 GHz, 1066 MHz, 8M
Processor cores	Single, dual and quad
Cache	1x8 MB Level 2 cache (Xeon 3200 Series) 1x4 MB Level 2 cache (Xeon 3000 Series) 1x2 MB Level 2 cache (Core2 Series) 1x1 MB Level 2 cache (Pentium 2100 Series) 512 KB Level 2 cache (Celeron Series)
Maximum processor speed	2.66 GHz
Multi-processor	N/A
Maximum front-side bus speed	1333 MHz
Memory type	PC6400 DDR2 UB ECC
Standard memory	512 MB
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 300/146/72 GB Non-hot plug LFF SATA 7.2K 500/250/160/80 GB
Maximum Internal Storage	2 TB SATA storage (using 500 GB CTO HDDs) 1.2 TB SAS storage (4 x 300 GB)
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	4 Port SATA for HDD with embedded RAID,0,1,10 2 port SATA for optical drive HP 4 Internal Port SAS HBA with RAID SC40Ge

Deployment

Form factor	Tower with Rack Mount Option Kit
Rack height	4U
Networking	Embedded NC105i PCIe Gigabit LOM
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: 3-year/1-year/1-year

For additional information, including descriptions of all models of the ProLiant ML110 G5 and an extensive list of supported options from HP, see the ML110 G5 Server QuickSpecs, available via **http://h18000.www1.hp.com/products/quickspecs/12867_div/12867_div.PDF**.

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**.

For more information

For more information about the HP ProLiant ML110 G5 Server, contact your local HP representative or visit **www.hp.com/servers/proliantml110**.

HP Services

The challenge of virtually every IT organization is similar: to develop and maintain an agile, efficient infrastructure that delivers the service levels your business needs—while staying within your budget. HP Services help you get the most from your ProLiant investment with support offerings designed to give you the choice to address your business needs, service-level commitments and budgets. Whether you purchase an HP recommended or enhanced service for your ProLiant server you can map your hardware choice to the precise level of support you need.

We deliver total care for your servers resulting in comprehensive support to help design, deploy, manage and support your IT environment and business processes. Our 69,000 skilled professionals and network of Authorized Channel Partners deliver global capabilities across the server lifecycle, including consulting, integration, outsourcing and support.

Cost-effectively upgrade or extend your standard warranty with easy-to-buy, easy-to-use support packages that reduce downtime risks with support levels ranging from a basic service recommendation to an enhanced mission critical service. These HP Care Pack services are available for purchase with your ProLiant ML110 series servers.

Recommended Care Pack offerings
- Three-year, next business day onsite 9-hour x 5-day coverage, hardware support
- Hardware Installation

Enhanced Care Pack offerings
- Three-year same business day onsite 13-hour x 5-day coverage, hardware support
- Hardware Installation plus operating system installation and startup

Care Pack Services benefits
- Gain total control and maximum flexibility—resulting in tangible savings.
- Improve server availability with single-source support.
- Reduce the complexity of services and support resulting in productivity gains.
- Reduce deployment and manage ProLiant solutions smoothly and efficiently.
- Increase uptime and performance of your servers and solve applications problems quickly.
- 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**.

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

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