

# HP ProLiant ML110 G6 server

## Data sheet

Affordability, reliability and simplicity make HP ProLiant ML110 G6 the ideal first server for growing businesses.

Are you using your desktop as a server? If yes, then it is time for a change. A growing business like yours, with its limited IT support, needs a server that is compact and suits your budget – and also one that you can remotely manage.

The HP ProLiant ML110 G6 server delivers true server reliability and functionality for growing businesses, branch offices and remote locations – all for the price of a typical desktop computer.



## Get an affordable server with reliable performance

Going beyond the proven ProLiant reliability, the ML110 G6 server is powered by the latest Intel® Xeon®, Intel® Core™ i3, Pentium® or Celeron® processor and DDR3 memory. A mix of PCI and PCI-Express (PCI-E) slots, DIMM slots, drive bays and server options help deliver the expandability that your growing business needs.

The optional, hardware-based, Trusted Platform Module (TPM) is an added advantage that brings further security to your IT architecture. The robust RAID functionality via the embedded SATA RAID controller or the optional Smart Array controller helps to protect the data and promote better performance.\* Support for an energy-efficient power supply and integrated HP Lights-Out 100i (LO100i) remote management bring down operational expenses by reducing the number of physical visits to the server site – making it a practical and affordable solution.

## Key features and benefits

### Proven HP dependability and support

- HP conducts some of the most rigorous and thorough testing in the industry. This testing, along with a worldwide network of HP service professionals, allows you to deploy the ML110 G6 server with confidence.
- The ML110 G6 server incorporates ProLiant reliability. Tireless efforts on system testing and process control can provide you the most dependable products.

### Easy to expand and grow with changing business needs

- Delivers off-the-shelf functionality and expandability to grow with your business with features such as DDR3 memory, SAS and SATA hard drives, PCI and PCI Express slots and USB 2.0 ports
- Requires less upfront investment due to the server's modular design; and offers an easy-to-use and easy-to-configure platform because all major server components can be removed or re-installed with reduced effort
- Helps remote locations or branch offices reduce server downtime and improve productivity with integrated LO100i remote management
- For more information on LO100i, please visit: <http://h18004.www1.hp.com/products/servers/management/remotemgmt/lightsout100i-advanced/index.html>

### A true server at a desktop price

- Compact and simple design for better manageability and low-cost expansion
- Efficient power usage and remote management to reduce overall operational costs
- Improved processor and memory performance for better results

### Proven ProLiant reliability and data protection

- ECC memory helps protect your business from data loss and unplanned system downtime. Unlike standard memory, ECC memory can detect and correct single-bit errors.
- Smart Array options provide businesses with RAID mirroring and striping capabilities to protect critical data.
- The TPM hardware-based encryption and authentication feature provides increased data security.
- ProLiant 100 series servers have customisable features suitable for varying usage needs of small businesses and branch offices.

## Is the ML110 G6 server suitable for you?

Here is a quick checklist that will help you decide if the ML110 G6 server is the right solution for you.

- **Remote sites or branch offices of small- to medium-sized businesses running light applications, such as:**
  - File and print
  - Web messaging
  - Small vertical applications or databases
  - Shared Internet access and LAN infrastructure
- **Budget-conscious businesses with the need for:**
  - An entry-level, single-processor, server solution that is easy-to-use and easy-to-configure
  - A reliable server that can protect your data 24/7
  - A rack-mountable server that helps save data centre space
  - An affordable server that can be remotely managed and controlled
  - An expandable server that can grow with your business needs

---

\* Embedded RAID functionality is available via BIOS update. To know more on this, please refer to: <http://h18004.www1.hp.com/products/servers/proliantstorage/arraycontrollers/smartarrayb110i/index.html>

---

HP ProLiant ML110 G6 server



**Processor and memory**

Processor family	Intel® Xeon® 3400 series, Intel® Core™ i3, Pentium® or Celeron® processor
Number of processors	1
Maximum number of cores	4
Processors supported	x3460, x3450, x3440, x3430, i3-540, i3-530, G6950, G1101
Processor cores	Quad-core, Dual-core
Cache	Up to 8 MB Intel Smart Cache
Maximum processor speed	3.06 GHz
Memory type	PC3-10600E DDR3
Memory slots	4 DIMM slots
Standard memory	2 GB or 4 GB, depending on model
Maximum memory	16 GB (4 x 4 GB) UDIMM DDR3
Advanced memory protection	Unbuffered ECC

**Storage**

Storage type	<ul style="list-style-type: none"> <li>• Non-hot-plug 3.5-inch SAS</li> <li>• Non-hot-plug 3.5-inch SATA</li> </ul>
Drives supported	SAS, SATA
Maximum internal storage	SAS: 1.8 TB (4 x 450 GB 3.5" SAS drives) SATA: 4.0 TB (4 x 1 TB 3.5" SATA drives)
Maximum internal drives	4
Removable media bays	2
Expansion slots	4 slots: <ul style="list-style-type: none"> <li>• Slot 1: PCI-e Gen 1, x1 (x4 connector), full-height and half-length</li> <li>• Slot 2: PCI 32-bit/33 MHz at 3.3V, full-height and full-length</li> <li>• Slot 3: PCI-e Gen 1, x4 (x8 connector), full-height and full-length</li> <li>• Slot 4: PCI-e Gen 2, x16 (x16 connector), full-height and full-length</li> </ul>
Storage controller	Integrated 6-port SATA controller (4 ports available for hard disks) Embedded HP Smart Array B110i SATA Controller RAID 0/1/10

**Operating system (OS)**

OS choices	<ul style="list-style-type: none"> <li>• Microsoft® Windows® Server</li> <li>• Red Hat Enterprise Linux</li> <li>• SUSE Linux Enterprise Server</li> </ul> For additional information, please visit: <a href="http://www.hp.com/support/ML110G6">http://www.hp.com/support/ML110G6</a>
------------	--

**Deployment**

Form factor	Tower with rack mount option kit
Rack height	4U
System fans	Standard
Power supply	Standard 300-watt non-hot-plug, non-redundant power supply (80% efficiency)
Graphics card (tested)	NVIDIA Quadro FX 580 NVIDIA Quadro FX 380
Networking	Embedded NC107i Express Gigabit Ethernet Server Adapter
Remote management	<ul style="list-style-type: none"> <li>• Standard IPMI 2.0 reporting</li> <li>• Integrated HP ProLiant 100 G6 Lights-Out 100i Remote Management</li> <li>• Standard HP ProLiant ML110 G6 Easy Setup CD</li> </ul>
Warranty (parts/labour/onsite)	<ul style="list-style-type: none"> <li>• Worldwide, except Brazil: 1-year/1-year/1-year</li> <li>• Brazil only: 3-year/1-year/1-year</li> </ul>

## Financial Services

HP Financial Services provides innovative financing and financial asset management programmes 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](http://www.hp.com/go/hpfinancialservices)

## HP Services

### When technology works, business works

The challenge of virtually every technology organisation is similar: to develop and maintain an agile and efficient server infrastructure that delivers the service levels the business needs.

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

### Minimum recommended HP Care Pack options

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

### Enhanced service-level HP Care Pack options

- Three-year, same-business-day, four-hour response, onsite 13-hour x 5-day coverage, hardware support
- Hardware installation plus operating system installation and start-up

### Benefit from HP Care Pack Services

- Reduce deployment time and manage ProLiant server solutions smoothly and efficiently
- Increase uptime and performance of server availability
- Detect, diagnose and resolve problems to save time, money and resources

For more information, please visit:

[www.hp.com/services/proliantservices](http://www.hp.com/services/proliantservices)  
[www.hp.com/go/proliant/carepack](http://www.hp.com/go/proliant/carepack)

The HP ProLiant ML110 G6 server delivers true server reliability and functionality – all for the price of a typical desktop computer. To learn how the ML110 G6 can be the ideal first server for your growing business, visit: [www.hp.com/servers/proliantml110](http://www.hp.com/servers/proliantml110)

Share with colleagues



### Get connected

[www.hp.com/go/getconnected](http://www.hp.com/go/getconnected)

Current HP driver, support, and security alerts delivered directly to your desktop

© Copyright 2009–2010 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Xeon, Core, Celeron and Pentium are trademarks of Intel Corporation in the U.S. and other countries.

Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation.

4AA2-9842EEW, Created November 2009; Updated April 2010, Rev. 1

