HP ProLiant ML350 Generation 5 Server

Data sheet

A rock-solid foundation for any size business

Finding the right technology for your growing business can be a challenge, but HP can help you narrow the field. The HP ProLiant ML350 Generation 5 (G5) server is all new in its fifth generation, with dramatic improvements to reliability, expandability, performance and environmental features that continue to make it the most popular flexible tower server in the world.

The best word to describe the all new ML350 G5 server is "Dual." Dual-socket, dual-core Intel® Xeon® 5000 Sequence processors, dual-redundant hot-plug power supplies, dual-redundant fans and the smaller, lighter and quieter dual-purpose chassis gives you the choice of 2.5" Small Form Factor (SFF) or 3.5" Large Form Factor (LFF) Serial Attached SCSI (SAS) or Serial ATA (SATA) drives.

Ideal environments and applications

Growing businesses running core applications

• Consistent server performance at an affordable price.

• Reliable data protection.

• Plenty of room for growth—add processors, memory, internal backup and I/O cards in a snap to add users and get a competitive edge or convert the ML350 G5 to a rack environment when you need to have more servers on-site.

Branch offices and remote sites

• No one on-site has to manage the server—use Integrated Lights-Out 2 (iLO 2) to manage the server anytime, anywhere, even when the server operating system is down; a blue unit ID (UID) on the server lets those on-site know that someone is accessing the server.

• Redundant components provide maximum server uptime.

• Reduced acoustics and powerful tools for server installation, deployment and management.

Whether your server supports 5 or 500 users, the HP ProLiant ML350 G5 Server keeps everyone productive. Versatile, dependable, and trusted by businesses around the world, the new ProLiant ML350 G5 Server is ideal for expanding businesses and dedicated workgroups.

Key benefits

The ML350 G5 is a flexible tower server refined with essential availability features to form a versatile, dependable backbone for expanding businesses and dedicated workgroups.

A reliable foundation

Whether your business supports data and transactions from five users to 500, you can count on the ML350 G5 to stay available and online with the help of its essential availability features.

- Redundant power, fans, memory and disk options help ensure that the ML350 G5 server continues to support your business in the event of a system power, thermal, memory or disk error.

- Hot-plug support for the HP universal hard drives and power supplies not only keeps your business running, but also simplifies upgrades and part replacements.

- Serial Attached SCSI and SATA RAID are now standard on the ML350 G5, making storage more reliable and affordable than ever.

Affordable performance for maximum value

The ML350 G5 combines the latest dual-core processor technology, serial performance I/O and memory technology at a price that fits SMB budgets.

- Eight PC2-5300 slots for up to 16 GB 667 MHz FB-DIMM memory.

- Up to two Intel dual-core Xeon 5000 sequence processors with 4 MB of cache.

- Five media bays for the ultimate in internal expansion capability.

- Dual-redundant fan option.

- Three PCI Express slots and three 64-bit PCI-X slots.

- Support for eight SFF or six LFF SAS and SATA hard drives.

Complete tools for savvy system management

Like a trusted business partner, the ML350 G5 is accessible and easy to work with. Together, HP ProLiant Essentials and Lights-Out technology remote management software make server installation and management a snap.

- At installation, SmartStart (included in the HP ProLiant Essentials Foundation Pack shipped with the ML350 G5) gets your server up and running in three easy steps.

- Once the installation is complete, HP Systems Insight Manager software keeps an eye on your server so that staff members can focus on priority projects; alerts on system status can be delivered to you based on parameters you determine.

- When you need to make system changes, use the HP Integrated Lights-Out 2 (iLO 2)—your server's remote control; new to the ML350 server line, iLO 2 lets you view the server console and install updates anytime anywhere—even when the system operating system is down.

Adapts to conquer new business opportunities

Clever businesses know that technology is one of the best ways to gain a competitive edge. The ML350 G5 gives your business infrastructure the runway it needs to get that edge.

- Processor and memory upgrades support additional users and boost response times.

- Rack the ML350 G5 when physical location needs change.

- Incorporate tape backup solutions to protect business data.

- Attach a wide variety of external storage and backup devices as data storage needs increase and change.

HP ProLiant ML350 Generation 5 Server

Processors	Up to two: • Dual-Core Intel Xeon Processor 5160, 3.00 GHz, 1333 MHz Front Side Bus (FSB) • Dual-Core Intel Xeon Processor 5150, 2.66 GHz, 1333 MHz FSB • Dual-Core Intel Xeon Processor 5140, 2.33 GHz, 1333 MHz FSB • Dual-Core Intel Xeon Processor 5130, 2.00 GHz, 1333 MHz FSB • Dual-Core Intel Xeon Processor 5120, 1.86 GHz, 1066 MHz FSB • Dual-Core Intel Xeon Processor 5110, 1.60 GHz, 1066 MHz FSB • Dual-Core Intel Xeon Processor 5080, 3.73 GHz, 1066 MHz FSB • Dual-Core Intel Xeon Processor 5060, 3.20 GHz, 1066 MHz FSB • Dual-Core Intel Xeon Processor 5050, 3.00 GHz, 667 MHz FSB
Cache	4 MB L2 (1 x 4 MB) for Xeon 5100 Series Processors 4 MB L2 (2 x 2 MB) for Xeon 5000 Series Processors
RAM standard/maximum	Standard: 512 MB (Entry models) 1 GB (Base models) Maximum: 16 GB
RAM type/speed	PC2-5300F FB-DIMMs 667 MHz
Hard drive capacity	8 hot plug 2.5" SFF SAS/SATA bays or 6 hot plug 3.5" LFF SAS/SATA bays
Hard drive controller	HP Smart Array E200i SAS/SATA Controller
Media bays	5
Memory protection	Online Spare, Advanced ECC
Form factor	Tower or 5U Rack
Expansion slots	3 x PCI Express x8 (x4 speed) 1 x 64-bit 133 MHz PCI-X 2 x 64-bit 100 MHz PCI-X
Operating systems supported	Microsoft® Windows® Server 2003/R2, Microsoft Small Business Server 2003/R2, Microsoft Windows 2000 Server and Advanced Server, SCO OpenServer 5.0.7/6.0, SCO UnixWare 7.1.3/7.1.4, Novell NetWare Novell NetWare Small Business Suite, Linux® (Red Hat, SUSE)
Warranty	3-year parts, 3-year labor, 3-year on-site

HP ProLiant ML350 Generation 5 Server

Technology services

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

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, contact your HP representative or visit **www.hp.com/go/hpfinancialservices**.

For more information

For more information about the HP ProLiant ML350 G5 Server, visit **www.hp.com/servers/proliantml350**.

HP Services

HP services provides continuous care and support expertise with committed response designed to meet your IT and business needs. To fully capitalize on your HP ProLiant servers' capabilities requires a service partner who thoroughly understands your server technology and systems environment. HP Services, an industry leader in provision of multi-vendor support solutions, provides a range of support services designed to meet the varying needs of business. Whether a small or medium organization or large global corporation, HP has ProLiant server HP Care Pack support to help you speedily deploy and maximize system uptime.

HP Care Pack Services cost-effectively upgrade or extend your standard warranty 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 along with your ProLiant ML350 server.

- **Extended Care**—continuous work-through for problem resolution. HP ProLiant ML350—3-year 13x5 same-business-day 4-hour response coverage.
- **Committed Repair**—increase IT performance and availability. HP ProLiant ML350—3-year 24x7 same-business-day 4-hour response coverage.
- **Committed Repair**—increase IT performance with a repair-time commitment that ensures maximum availability. HP ProLiant ML350—3-year 24x7 same-business-day with 6-hour commitment from call-to-repair.
- **Deployment Services**—HP Installation and Start Up services are designed to take time, risk, and worry out of the deployment of ProLiant servers—and free your IT Team to focus on what they do best, meeting your business needs. ProLiant ML350 Installation and start up.

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