HP ProLiant ML370 Generation 5 Server
Data sheet

Industry-leading performance, availability and management in a quad-core, dual-socket expansion server that is ideal for a variety of environments— from corporate work groups in growing businesses, to critical remote sites requiring nearly continuous accessibility and uptime.

HP Integrated Lights-Out 2 remote management and Systems Insight Manager software enable nearly continuous access from anywhere, making the ML370 an excellent fit for remote deployments.

Powerful server for ongoing access and uptime needs

Engineered for improved system expansion and service-ability, the HP ProLiant ML370 Generation 5 (G5) Server provides outstanding performance in a two-processor expansion server. In fact, it consistently ranks at the top of TPC-C benchmarks for performance and price/performance. Now available with Quad-Core Intel® Xeon™ processors that deliver performance gains for multi-thread applications, the ML370 server is ideal for today's increasingly demanding compute environments. The flagship ML370 provides leading management, performance and availability in a dual-processor expansion server engineered to excel in a variety of environments—from corporate work groups in growing businesses to critical remote sites requiring accessibility and uptime.

Key features

- Proven performance with Quad-Core/Dual-Core Intel Xeon processors—for demanding scale-out applications
- Designed for flexibility and expansion—allowing customers room to grow as their business grows

- Powerful HP Integrated Lights-Out 2 (iLO 2) technology embedded—allowing customers the ability to manage their servers anytime, anywhere
- Enterprise-class redundancy with optional hot plug fans and power supplies—providing improved uptime

Ideal environments

A variety of environments—from corporate work groups to critical remote sites:

- Engineered to enhance system performance and ease of serviceability
- Large internal storage capacity for everything from web applications to databases
- 24x7 accessibility using iLO 2 with either shared or dedicated network access to remote sites

Growing businesses with expandability requirements:

- Mixture of PCI-X and PCI Express I/O slots allows users to choose the expansion card technology.
- Eight-bay standard drive cage provides up to 1.16 TB of internal storage. The addition of an optional second eight-bay drive cage increases the maximum internal storage capacity to 2.3 TB. The second eight-bay drive cage requires an additional SAS controller.
- Plenty of space is provided for internal tape backup.

2

HP ProLiant ML370 Generation 5 Server

Processors supported	Quad-Core Intel Xeon processors: X5355: 2.66 GHz, 1333 MHz FSB E5345: 2.33 GHz, 1333 MHz FSB E5335: 2.0 GHz, 1333 MHz FSB E5320: 1.86 GHz, 1066 MHz FSB E5310: 1.60 GHz, 1066 MHz FSB Dual-Core Intel Xeon processors: 5160: 3.00 GHz, 1333 MHz FSB 5150: 2.66 GHz, 1333 MHz FSB 5140: 2.33 GHz, 1333 MHz FSB 5130: 2.00 GHz, 1333 MHz FSB 5120: 1.86 GHz, 1066 MHz FSB 5110: 1.60 GHz, 1066 MHz FSB 5080: 3.73 GHz, 1066 MHz FSB 5060: 3.20 GHz, 1066 MHz FSB 5050: 3.00 GHz, 667 MHz FSB
Processor cores	Quad and dual
Number of processors	1-2
Cache	8 MB L2 (2 x 4 MB) (5300 Series); 4 MB L2 (1 x 4 MB) (5100 Series); or 4 MB L2 (2 x 2 MB) (5000 Series)
Standard/maximum memory	1 GB/64 GB
RAM type/speed	PC2-5300 fully buffered DIMMS (DDR2 SDRAM 667 MHz)
Maximum internal storage	1.168 TB (2.336 TB with optional second SAS drive cage*)
Number of disk drives	Up to 8 (16 with optional second SAS drive cage*): Hot plug SFF SAS 10K 146 GB, 72 GB or 36 GB Hot plug SFF SAS 15K 72 GB or 36 GB Hot plug SFF SATA 5.4K 120 GB or 60 GB

Storage controller	Performance Models: HP Smart Array P400/512 MB BBWC controller (RAID 0, 1, 1+0, 5 and 6)
	Base Models: HP Smart Array P400/256 MB controller (RAID 0, 1, 1+0 and 5)
	  Available upgrade: 512 MB memory BBWC module (RAID 0, 1, 1+0, 5 and 6)
	Entry Models: HP Smart Array E200/64 MB controller (RAID 0, 1 and 1+0)
	  Available upgrade: 128 MB memory BBWC module (RAID 0, 1, 1+0 and 5)

Media bays	Two open half-height media bays; supports full-height internal tape drive
Memory protection	Advanced ECC, Online Spare and Mirroring. NOTE: Mirroring requires optional second memory card.
Form factor	Tower or 5U rack
Expansion slots	Six PCI Express x4 Two 64-bit/133 MHz PCI-X
Operating systems supported	Microsoft® Windows® Server 2003, Microsoft Windows 2000 Server, Novell NetWare, Linux® (Red Hat, SUSE), VMware Virtualization Software
Warranty (parts/labor/on-site)	3-year/3-year/3-year

* Second controller is required.

Critical remote sites:

- Manage seamlessly from anywhere, anytime with iLO 2 and HP Systems Insight Manager (SIM) software.

- Monitor and maintain all your ProLiant servers with SIM.

- Enterprise-class redundancy features provide best-in-class availability and uptime for critical applications.

Benefits of the HP ProLiant ML370 Server

Nearly continuous access—from anywhere

Industry-leading management solutions such as iLO 2 and SIM software allow you to manage all your ML370 servers seamlessly and remotely, making it the ideal server for remote deployments.

Enterprise-class redundancy

For reliability and uptime, you can trust ProLiant servers. The ML370 server enhances availability with a 3 + 3 hot plug fan design that provides redundant cooling in multiple zones. Two processors and redundant power supplies deliver high availability and high-performance system processing.

Headroom for growing businesses

With its flexible architecture, the ML370 server provides versatility and plenty of room for expansion to satisfy a full spectrum of solutions, including virtualization projects. It can configure up to 16 serial attached SCSI (SAS) small form factor (SFF) drives to provide more than 2 TB of storage space and 16 DIMM slots supporting up to 64 GB of memory. Additionally, for customers' data archiving needs, the ML370 server offers plenty of space for internal tape backup.

HP 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 ML370 G5 Server contact your local HP representative, or visit: **www.hp.com/servers/proliantml370**

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 nearly continuous care. Cost-effectively upgrade or extend your standard warranty with easy-to-buy, easy-to-use support packages. With support levels that range from basic to mission-critical, HP Care Pack Services are available for purchase with your ProLiant ML370 server.

Recommended service offerings:

Enhanced Care options provide a baseline service level to achieve optimum server availability. *HP ProLiant ML370—3-year, 24x7, same-business-day, 4-hour onsite response hardware support*

Continuous Care options deliver a recommended support level with committed same day response or fix times. *HP ProLiant ML370— 3-year, same-business-day, 6-hour call-to-repair onsite response hardware support*

Total Care service options are designed to provide around-the-clock response and complex problem resolution through integrated hardware and software support. *HP ProLiant ML370—3-year, 24x7, Support Plus 24*

Deployment Services include HP Installation and Startup services designed to take the time, risk and worry out of the deployment of ProLiant servers. *HP ProLiant ML370—installation and startup of a ProLiant ML370 server and Microsoft or Linux operating system*

For a complete list of services, visit:
www.hp.com/services/proliantservices
www.hp.com/go/proliant/carepack

For more information, visit: www.hp.com/servers/proliantml370

4AA0-6361ENW Rev. 1, March 2007

hp ®

i n v e n t