HP ProLiant DL380 Generation 5 Server

Data sheet

The HP ProLiant DL380 G5 Server is a powerful and versatile server that supports business-critical applications, combining cost-effective manageability with superior uptime.

Performance, manageability and uptime in a highly serviceable 2U chassis

The world's best-selling server just got faster. The HP ProLiant DL380 Generation 5 (G5) Server delivers on its history of design excellence, providing enterprise-class uptime and manageability, proven two-socket Intel® Xeon™ performance and 2U density for a variety of rack deployments and applications. Its reliable, tool-free design makes installation, upgrades and maintenance simple, reducing total cost of ownership.

The ProLiant DL380 G5 delivers:

- Proven performance with quad-core and dual-core Intel Xeon processors for demanding scale-out applications
- Versatility and availability for a wide range of deployments
- Quality engineering for reliability and ease of ownership
- Industry-leading management solutions for powerful administration
- Enhanced multi-tasking capabilities for your most demanding applications and virtualization projects

Ideal environments

Environments of all types and sizes

- The unmatched flexibility of the ProLiant DL380 Server has made it the best-selling server in the world. Businesses of all sizes use it for a vast array of applications.

- Its large internal storage capacity makes it ideal for everything from web applications to databases.

- Easily connected to storage networks and easily managed from wherever you are, the DL380 packs the storage, memory and I/O you need into only 2U of rack space.

- Availability features like hot plug redundant power, online spare memory and hot plug/redundant fans keep environments up and running and users productive.

- The DL380 is not just for enterprises—it's also ideal for small and medium businesses with rack environments that can benefit from remote server management or network backup.

- Your IT team can manage the DL380 Server from virtually anywhere in the world through advanced remote management capabilities.

Key features and benefits

Proven performance

- Up to two Intel Xeon 5x00 sequence dual-core or quad-core processors with Intel VT technology to improve performance in a virtual environment.

- Up to 32 GB of 667 MHz DDR2 fully-buffered DIMMs; with interleaving, mirrored memory and online spare capability

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 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 DL380 server.

Recommended service offerings:
Enhanced Care options provide a baseline service level to achieve optimum server availability.

HP ProLiant DL380—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 DL380—3-year, same-business-day, 6-hour call-to-repair onsite response hardware support

Total Care service options are designed to provide round-the-clock response and complex problem resolution through integrated hardware and software support.

HP ProLiant DL380—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 DL380—installation and startup of a ProLiant DL380 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

HP ProLiant DL380 G5 Server

Processor and memory

Processors supported	Quad-Core Intel Xeon processors: X5355: 2.66 GHz, 120 W, 1333 FSB E5345: 2.33 GHz, 80 W, 1333 FSB E5335: 2.00 GHz, 80 W, 1333 FSB E5320: 1.86 GHz, 80 W, 1066 FSB L5320: 1.86 GHz, 50 W, 1066 FSB E5310: 1.60 GHz, 80 W, 1066 FSB Dual-Core Intel Xeon processors: 5160: 3.00 GHz, 80 W, 1333 MHz FSB 5150: 2.66 GHz, 65 W, 1333 FSB 5148: low voltage, 2.66 GHz, 40 W, 1333 FSB 5140: 2.33 GHz, 65 W, 1333 FSB 5130: 2.00 GHz, 65 W, 1333 FSB 5120: 1.86 GHz, 65 W, 1066 FSB 5110: 1.60 GHz, 65 W, 1066 FSB 5080: 3.73 GHz, 130 W, 1066 FSB 5060: 3.2 GHz, 130 W, 1066 FSB 5050: 3.0 GHz, 95 W, 667 FSB
Processor cores	Quad and dual
Number of processors	1-2
Cache	8 MB L2 (2 x 4 MB) (Xeon 5300 series); 4 MB L2 (1 x 4 MB) (Xeon 5100 series); or 4 MB L2 (2 x 2 MB) (Xeon 5000 series)
Memory type	PC2-5300 DDR2 fully buffered DIMMs
Standard/maximum memory	2 GB/32 GB
Advanced memory protection	Advanced ECC, mirrored memory, online spare

Storage and I/O

Maximum internal storage	8 hot plug small form factor SAS 1.168 TB (8 x 146 GB) or 8 hot plug SFF SATA .96 TB (8 x 120 GB)
Number of disk drives	Up to 8
Removable media bays	One (1) Slimline bay
Storage controller	Smart Array P400 Controller with 256 MB cache (RAID 0, 1, 5); optional battery (adds write cache and RAID 6); optional 512 MB write cache (adds write cache and RAID 6) Smart Array E200 Controller with 64 MB cache (RAID 0, 1); optional 128 MB write cache (adds RAID 5 capability)
Networking	Two (2) embedded NC373i multifunction gigabit network adapters with TCP/IP offload engine
Expansion slots	Four (4) (3 full- and 1 low-profile) PCI-Express slots; optional PCI-X slots

Deployment

Form factor	2U rack, sliding rail kit included
Networking	2 embedded NC373i multifunction gigabit network adapters with TCP/IP offload engine
Remote management	Integrated Lights-Out 2
Redundant power supply	Optional
Redundant fans	Standard N+1 redundancy
Warranty	3-year parts, 3-year labor, 3-year onsite

Versatility and availability

- Complete data protection: HP Smart Array P400 controller with 256 MB read cache (Base and Performance models); or Smart Array E200 controller with 64 MB read cache (Entry model). Both controllers are upgradeable with battery-backed write cache capabilities and larger read cache sizes.

- Advanced memory protection technologies protect the system from memory errors

- Hot plug fully redundant fans and power supply capabilities provide for maximum uptime

Manageability

- Integrated Lights-Out 2 (iLO 2) allows powerful, hardware-based remote administration and control from a standard web browser to conserve valuable IT staff resources

- Server configuration and deployment is simplified with tools like SmartStart, Rapid Deployment Pack, PXE and ROM-Based Setup Utility (RBSU)

- New Systems Insight Display for walk-up system diagnostics

- Smart power and thermal management; HP Power Regulator for policy-based power management and Power Meter reporting capability to log actual power usage

- Dual multifunction gigabit NICs with TOE to reduce network latency

Reliability and efficiency

- Expandable storage for support of up to eight high-performance serial-attached SCSI (SAS) or SATA drives

- Highly versatile 2U rack design

- Redundant fans standard; redundant power optional

- Worldwide service and support options

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 sales representative, or visit:
www.hp.com/go/hpfinancialservices

For more information

For more information about the HP ProLiant DL380 G5 Server contact your local HP representative, or visit:
www.hp.com/servers/proliantdl380

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