HP ProLiant DL385 Generation 2 Server

Data sheet

Gain proven performance—and 2U density

The new HP ProLiant DL385 Generation 2 Server is engineered with ProLiant reliability and proven two-way AMD Opteron™ performance for ease of ownership and enterprise-class uptime and manageability. This second-generation server delivers this performance and reliability in a 2U density form factor for a variety of rack deployments and applications.

Key features and benefits

Performance

To help you keep pace with increasing demand, the DL385 G2 Server delivers:

- Benefits of a new processor speed
- Support for up to two dual-core AMD Opteron model 2218 (2.6 GHz) processors
- Support for DDR2 memory

Management

The DL385 G2 Server helps you gain greater control with power management features, including:

- Support for new storage, networking and management products
- Serial Attached SCSI drives with a SAS controller
- Support for Integrated Lights-Out 2 (iLO 2) software for remote management

- An additional PCI-Express slot for increased networking
- Optional PCI risers for mixed PCI-X and PCI-Express support

Ideal environments

Environments of all types and sizes

- With its large internal storage capacity, the DL385 G2 Server is ideal for everything from web applications to databases.
- The DL385 G2 with dual embedded multi-function NICs helps you stay easily connected to the storage networks or part of a virtualized environment.

Space-constrained corporate data centers and service provider operations

- The DL385 G2 packs the storage, memory and I/O you need into only 2U of rack space.
- A cable management arm and a quick deploy rail solution make racking a snap.
- Availability features like hot-plug/redundant power, 2:1 memory interleaving (bank and node), advanced ECC memory protection and hot-plug/redundant fans help keep your environment up and running and your users productive.

Sophisticated small and medium business locations

- The DL385 G2 Server is not just for enterprises, it's also a good choice for small and medium organizations with rack environments that can benefit from remote server management or network backup.

Key benefits

Proven performance

The DL385 G2 boosts performance with:

- State-of-the-art AMD Opteron™ 2000 Series dual-core processors.
- Up to 16 GB of PC2-5300 DDR2-667 SDRAM to support demanding memory-intensive applications
- 4 PCI-Express expansion slots and optional PCI-X riser or PCI-Express x16 for the latest I/O technologies.
- Dual multifunction Gigabit NICs with TOE to reduce network latency
- HP Smart Array P400 with 256 MB read cache (performance model has 512 MB BBWC) or Smart Array E200 with 64 MB read cache (entry model) provide performance and reliability through their support of the latest SCSI technology and advanced and upgradable RAID capabilities.

Versatility and availability

- Enable complete data protection by choosing either the Smart Array P400 controller for performance or the Smart Array E200 controller for value. Both controllers are upgradeable with battery-backed write cache capabilities and larger read cache sizes.
- Gain flexible capacity and performance with eight small form factor hot-plug drive bays.
- Increase uptime with hot-plug fully redundant fans and power supply capabilities.

Industry-leading management solutions

- 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).
- Management tools, including HP Systems Insight Manager and iLO, provide easy yet secure status and access to ProLiant servers, enabling higher levels of uptime.

Reliability and ease of ownership

- A clean, tool-free mechanical design enhances reliability and simplifies configuration and maintenance. Features include:
  - Tool-free, modular components
  - Hot-plug redundancy features for fast maintenance
  - Minimal cables for easy access to components

- A quick deploy rail system delivers easy installation and fast server access.
  - Universal tool-free sliding rails support square and round hole racks.
  - New ambidextrous cable management arm provides cabling flexibility.
  - Quick release levers enable fast access.
- A commonality focus, within and across platforms, increases IT productivity. Features include:
  - Universal drives and Smart Array Controllers
  - Common components to simplify spares—hot-plug fans shared with HP ProLiant DL380 G3 and DL380 G4 servers
  - Unit ID for easy-in-rack identification
- ROM-based configuration and management features increase uptime and simplify configuration.
  - A redundant ROM protects the platform during upgrades.
  - ROM-based drivers enable OS-independent health monitoring.

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 DL385 server.

Recommended service offerings:
Enhanced Care options provide a baseline service level to achieve optimum server availability. *HP ProLiant DL385 G2 server—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 DL385 G2 server—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 DL385 G2 server— 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 DL385 G2 server—Installation and startup of a ProLiant DL385 G2 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 DL385 G2 Server

Processor and memory	
Available processors	AMD Opteron™ model 2218 2.6 GHz, 2 MB L2 Dual-Core, 95 Watts AMD Opteron model 2216 2.4 GHz, 2 MB L2 Dual-Core, 95 Watts AMD Opteron model 2216 2.4 GHz, 2 MB L2 Dual-Core, 68 Watts AMD Opteron model 2214 2.2 GHz, 2 MB L2 Dual-Core, 68 Watts AMD Opteron model 2212 2.0 GHz, 2 MB L2 Dual-Core, 68 Watts AMD Opteron model 2210 1.8 GHz, 2 MB L2 Dual-Core, 68 Watts AMD Opteron model 2210 1.8 GHz, 2 MB L2 Dual-Core, 95 Watts
Processor capacity	2
Processor cache	2 MB (2X1 MB) L2 cache
Memory type	DDR2 667 DIMMs
Standard memory	2 GB (2 x 1 GB) Performance: 4 GB (4 x 1 GB) Entry: 1 GB (2 x 512)
Max memory	16 GB 16 GB using PC3200 or 32 GB using PC2700 (when available)
Advanced memory protection	Advanced ECC
Storage	
Storage type	Hot plug 2.5" SAS Hot plug 2.5" Serial ATA
Max internal drives	8 Small Form Factor SAS (Serial Attached SCSI)
Removable media bays	1
Storage controller	Smart Array P400 in PCI slot
USB	5 total ports: (2) ports up front; (2) ports in back; (1) port internal
Deployment	
Form factor	Rack
Rack height	2U
Networking	2 Gigabit Multifunction NICs (embedded)
Remote management	Integrated Lights-Out 2 Standard Accelerated iLO 2
Redundant power supply	Optional
Redundant fans	Standard
Warranty	3-year parts, 3-year labor, 3-year onsite

Delivering best-run server infrastructure

The world's best run server infrastructures are built with ProLiant servers and HP Infrastructure Management tools—software that gives you total control, maximum flexibility and tangible savings from your ProLiant investment.

Total control

Take complete control of your server infrastructure from anywhere:

- Monitor the health of your entire ProLiant server infrastructure, including SAN-attached storage, through one simple management interface.

- Remotely operate ProLiant servers independent of OS state with secure, built-in Lights-Out management.

- Optimize server availability and performance levels to exacting requirements through pre-failure alerting and hardware performance bottleneck analysis.

- Detect server security vulnerabilities and update software in concert, all from a centralized location.

Maximum flexibility

Be responsive to the needs of your organization, efficiently and precisely:

- Transparently manage physical and virtual resources across their entire lifecycle with your choice of virtual machine technology.

- Optimize resource allocation by quickly migrating workloads across physical and virtual infrastructure.

- Easily integrate ProLiant infrastructure management into existing management solutions and manage non-HP devices through broadly adopted industry standards.

Tangible savings

Make the most of every dollar you invest in server assets, IT staff and facilities:

- Rapidly deploy and inventory new IT assets with minimal effort, dramatically reducing server build times and eliminating the need for costly manual asset tracking.

- Automatically, accurately, and affordably migrate outdated physical servers to new ProLiant servers, drastically decreasing the time, cost and effort typically associated with server migration.

- Efficiently manage the growing thermal and energy impact of server infrastructure with power regulator technology built into your ProLiant server.

- Maximize the scalability of scare IT talent with tools that improve efficiency, cut down on human error, and anticipate and prevent unplanned downtime.

HP delivers these capabilities through HP Systems Insight Manager and SmartStart that ship with every ProLiant server and ProLiant Essentials software, advanced tools to further enhance IT staff efficiency and server availability.

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 info

For more information about the HP ProLiant DL385 G2 Server, visit: **www.hp.com/servers/proliantdl385**

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4AA0-8261ENW, October 2006

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