

HP ProLiant DL385 Generation 2 Server

Data sheet



Gain proven performance—and 2U density

The ProLiant DL385 G2 Server packs the storage, performance, memory and I/O you need into a compact space. Ideal for a variety of rack deployments and applications, the DL385 G2 delivers on the DL380 series history of design excellence with enterprise-class uptime and manageability—and now with proven 2-processor AMD Opteron™ performance, power efficiency and 2U density.

Key features and benefits

Proven performance

The DL385 G2 boosts performance with:

- State-of-the-art Dual-Core AMD Opteron 2000 Series processors
- Up to 32 GB of DDR2-667 SDRAM to support demanding, memory-intensive applications
- 4 PCI Express expansion slots and optional mixed PCI-X or x16 speed PCI Express to provide the latest I/O performance technologies
- Dual multi-function gigabit NICs with TOE to reduce network latency

- HP Smart Array P400 (SA-P400) controller with 256 MB read cache (Base model); SA-P400 with 512 MB and BBWC (Performance model); or Smart Array E200 (SA-E200) controller with 64 MB read cache (Entry model); Both controllers are upgradeable with battery-backed write cache capabilities and larger read cache sizes

Versatility and availability

- Complete data protection: SA-P400 with 256 MB read cache (Base model); SA-P400 with 512 MB and BBWC (Performance model) or SA-E200 with 64 MB read cache (Entry model)
- Capacity and performance with up to eight small form factor (SFF) hot plug drive bays
- Hot plug fully redundant fans and power supply capabilities provide for greater uptime

Industry-leading management solutions

- 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 Systems Insight Manager and iLO 2, provide easy status and access to HP ProLiant servers, with enhanced security features, enabling higher levels of uptime.

- ROM-based configuration and management features increase uptime and simplify configuration. Redundant ROM protects platform during upgrades; ROM-based drivers enable OS-independent health monitoring.

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

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, greater flexibility and tangible savings from your ProLiant investment.

Total control

Take complete control of your server infrastructure from outside the office or away from your desk:

- 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 built-in Lights-Out management with advanced security features.
- Improve 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.

Greater 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.
- Enhance 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 removing 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.

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 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.

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

Processors supported	Dual-Core AMD Opteron processors: Model 2220: 2.8 GHz Model 2218: 2.6 GHz Model 2218: HE 2.6 GHz Model 2216: 2.4 GHz Model 2216: HE 2.4 GHz Model 2214: 2.2 GHz Model 2212: 2.0 GHz Model 2210: 1.8 GHz Model 2210: HE 1.8 GHz
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Processor cores	Dual
Number of processors	1-2
Cache	2 MB L2 (2 x 1 MB)
Standard/maximum memory	1-4 GB (depending on model)/32 GB

Storage

Maximum internal storage	8 hot plug SFF SAS 1.168 TB (8 x 146 GB) or 8 hot plug SFF SATA 480 GB (8 x 60 GB)
Number of disk drives	Up to 8
Removable media bays	1
Expansion slots	Standard (4) PCI Express (2) x8, (2) x16
Storage controller	SA-P400 Controller in PCI-E slot (SA-P400 in Performance and Standard models; SA-E200 in Entry models)
USB	5 total ports: (2) ports up front; (2) ports in back; (1) port internal

Deployment

Form factor	2U rack
Networking	2 gigabit multi-function NICs (embedded)
Remote management	Integrated Lights-Out 2 Standard Accelerated iLO 2
Redundant power supply	Optional
Redundant fans	Standard
Warranty (parts/labor/onsite)	3-year/3-year/3-year

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

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.

“The DL385 is superbly engineered and was easy to install. With its 64-bit design, the DL385 gives us the scalability, reliability and power we need to properly serve our users and members.”

Steve Gould, Network Administrator,
APA – The Engineered Wood Association

- 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.

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

For more info

For more information about the HP ProLiant DL385 G2 Server, contact your local HP representative, or visit: www.hp.com/servers/proliantdl385.

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