



HP ProLiant DL785 G5 Server

Data sheet

Realize outstanding scalability and performance for the most demanding data intensive environments with the very expandable HP ProLiant DL785 G5.

The HP ProLiant DL785 G5 is the latest and most expandable addition to the top selling HP ProLiant Server line*. The DL785 G5 is an 8-socket x86 server, supporting up to 8 AMD Opteron® quad-core processors, 256 GB of memory and 11 PCI-e I/O slots. This highly scalable rack server is an ideal choice for growing enterprise-class database, consolidation, and virtualization environments seeking to improve server utilization and reduce server sprawl—while continuing to leverage all the familiar and easy-to-use ProLiant management tools and options.

With 64 dual in-line memory module (DIMM) sockets for a maximum of 256 GB of memory (with 4 GB DIMMs) and 11 PCI-e I/O slots, the DL785 G5 Server has the memory and I/O expansion capabilities to support very large virtualization and consolidation environments. With the capacity to support 8 high performance AMD quad-core Opteron processors, the DL785 G5 Server delivers outstanding scalability and performance for the most demanding of applications.

Reliability features—redundant power supplies and fans, ASR, pre-failure warrant, and so on—ensure that the DL785 G5 Server is well suited to support enterprise-class database environments.

What's new?

Performance

- Supports up to 8 AMD quad-core processors (each with a shared 2 MB L3 cache) with Dual Dynamic Power Management to deliver outstanding scalability and performance for the most demanding applications.
- Up to 256 GB DDR2 at 533 MHz or 128 GB DDR2 at 667 MHz (with 4 GB DIMMs) and 11 I/O expansion slots to support very large virtualization and consolidation environments.
- Supports VMWare and Xen virtualization software.

Manageability

- Manage servers, storage, and other infrastructure devices centrally across multiple operating system platforms with HP Systems Insight Manager (HP SIM) which provides a unified, secure, and extensible management environment.

*IDC's Worldwide Quarterly Server Tracker, Q3 2007 Release

Consolidate or virtualize multiple servers onto one system, saving critical resources through improved server utilization and reduced server sprawl.

- Manage wake-up system diagnostics with the Systems Insight Display. Front access to memory, processors, and hard drives. Rear access to power supplies while the server remains secured in the rack.
- Benefit from industry-leading remote management made possible through integrated Lights-Out 2 (iLO2).
- Reduce downtime and simplify management tasks with the optional ProLiant Essential packs including Rapid Deployment Pack, Server Migration Pack, Virtual Machine Manager, and other tools to speed deployment.

Reliability

- Improve server uptime with redundant power supplies, fans and ROM, Automatic Server Recovery, pre-failure warranty, and adaptive load balancing NIC support.

Scalability

- Upgradeability options available for processor, memory, drives, and controllers.
- Provision to add a second drive bay for a total of 16 SFF SAS drive bays.
- Options for high performance graphics and HTx cards.*

Key features and benefits

More CPU, I/O, memory and internal

storage capacity: Supported by 8 quad-core 8300 series AMD Opteron Processors and memory and I/O expansion facility, the DL785 G5 Server offers outstanding flexibility to increase the performance of your database, consolidation, and virtualization environments.

Industry-leading management solutions: The world's best-run server infrastructures are built with ProLiant servers and HP Infrastructure Management software to give you more control and flexibility and tangible savings from your ProLiant investment.

- Integrated Lights-Out 2 (iLO2) allows powerful, hardware-based remote administration and control from a standard Web browser to conserve valuable IT staff resources.
- HP Systems Insight Manager provides a unified, secure, and extensible environment to manage servers, storage, and other infrastructure devices centrally across multiple operating system platforms.

Flexibility for a variety of enterprise deployments:

Adherence to industry standards, broad support for software and hardware options, and key certifications mean the DL785 G5 can support most of your applications needs.

- Designed to fit into existing enterprise data centers, the DL785 G5 Server, supports full line of HP Smart Array controllers, NICs, and storage options.
- Offering support to the industries most popular operating systems, the list of supported system includes Microsoft® Windows® Server 2003, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Sun Solaris, and VMWare.

* Available in 2H'08

ProLiant DL785 G5 Server



Processor	<ul style="list-style-type: none">•AMD Opteron® 8300 Series Processors•4 or 8 quad-core Opteron processors•Quad-core AMD Opteron® 8354 (2.2GHz)*
Memory	<ul style="list-style-type: none">•64 DDR2 DIMM slots•Up to 256 GB of internal memory (with 4 GB DIMMs)•Max memory of 256 GB DDR2 at 533 MHz, or 128 GB DDR2 at 667 MHz (with 4 GB DIMMs)•8 GB DIMMs supported post launch
Internal Storage	<ul style="list-style-type: none">•8 (std) + 8 (opt) SFF SAS drive bays•Embedded RAID support•1 DVD removable drive
Networking	<ul style="list-style-type: none">•Dual embedded Gbit NICs
I/O	<ul style="list-style-type: none">•11 PCIe slots, or option for 7 PCIe & 2 HTx slots*
Management	<ul style="list-style-type: none">•iLO 2
Form Factor	<ul style="list-style-type: none">•7U Rack Mount Server
OS	<ul style="list-style-type: none">•Windows, Linux, Sun Solaris

*Available in 2H'08

HP Factory Express

HP Factory Express offers configuration, customization, integration, and deployment services for HP servers and storage products. Customers can choose how their factory solutions are built, tested, integrated, shipped, and deployed. Factory Express offers service packages for simple configuration, racking, installation, complex configuration, and design services as well as individual factory services, such as image loading, asset tagging, and custom packaging. Service includes pre-delivery site review, factory installation and configuration, onsite installation, and product orientation for your staff. For more information visit:

www.hp.com/go/factoryexpress

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 on these services visit: www.hp.com/go/hpfinancialservices

HP Services

The challenges of virtually every IT organization are similar: to develop and maintain an agile, efficient IT infrastructure that delivers the service levels your business needs.

Rely on the experts from HP Services to enhance the availability, reliability, and responsiveness of your business-critical server and storage infrastructure.

HP Care Pack Services deliver total care for your ProLiant servers, reducing the risks and impact of server and storage downtime with integrated support, business continuity, recovery, proactive and mission-critical services.

Recommended Service

Support: Hardware and software HP Care Pack, Integrated Support, Remote Technologies, Multi-vendor Environment support, and education services:

- **Proactive 24**—Proactive and reactive integrated hardware and software support, to help increase IT performance and availability and to improve IT management.
- **Critical Service**—Comprehensive support solution for businesses that cannot tolerate downtime.
- **Remote Support**—HP Service Essential Remote Support-24x7 remote and local monitoring for the entire business infrastructure—servers, storage, and networks.

Deployment: Installation and startup, implementation and Factory Express integration services.

Availability: Mission-critical, Data Center, and ITSM Assessment and improvement services.

Performance: Performance Analysis, Tuning and Optimization.

Solutions: Data Migration, Backup and Recovery, Electronic Vaulting, Data Replication for Continuous Access.

Note: Other service level options are available

Customer Benefits

- Improve server availability.
- Reduced deployment time.
- Reduce the complexity of service and support resulting in productivity gains.

To learn more about how the HP Services can help your organization to support HP ProLiant server IT infrastructures visit:

<http://www.hp.com/services/proliantservices>

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To learn more, visit www.hp.com/servers/proliantdl785

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