

HP ProLiant DL320 G5 server

Data sheet



The HP ProLiant DL320 G5 Server is an enterprise server at an entry level price. Optimized for rack use, this highly manageable one-processor, 1U height server is ideal for IT infrastructure applications as well as web and edge-of-network applications.

The DL320 G5 Server delivers enterprise-level management that includes management features and the deployment capabilities of SmartStart and ProLiant Essentials software, plus remote console and virtual KVM provided through embedded iLO 2 (integrated Lights-Out) technology. Support for one or two low-cost Serial ATA drives on an integrated RAID 0/1 controller, with an optional upgrade to highly reliable hot-plug SAS hard drives, gives the DL320 G5 flexibility to meet the needs of your datacenter. You also get the cost-effective solution of a single-processor platform with options from the new Intel® Xeon™ processor 3000 sequence.

Key Features and Benefits

The ProLiant DL320 G5 is an ideal solution for single function or dedicated user applications where a cost-effective, rack-dense solution is needed.

Low-cost rack-dense platform

The 1U rack-optimized chassis minimizes your data center footprint, while the single-processor architecture and support for 3.5" Serial ATA hard drives deliver a price within your budget.

- 1U, 24.0" (60.96cm) deep chassis is convenient for organizations that need to dedicate servers to specific applications.
- Spring-loaded universal sliding rails included
- Choice of one of four processor options:
 - High-performance dual-core Intel® Xeon™ processor 3000 sequence
 - Cost-effective dual-core Intel Pentium® D 800 series
 - Single core Intel Pentium 4 600 series
 - Entry-level Intel Celeron® D

- Standard support for one or two 3.5" Serial ATA (SATA) hard drives, up to a total of 1.5TB of storage
- Support for the latest Microsoft® Windows®, SuSE® and Red Hat Linux server operating systems
- Dual Gigabit Ethernet Server Adapter
- Reliability features that help keep your IT infrastructure applications running include hot-plug hard drive options, redundant fans, and front panel ports.
- Prefailure warranty on processor, memory and SAS hard drives

Enterprise class monitoring and management

With powerful and highly flexible deployment, monitoring, and management tools, the ProLiant DL320 G5 has comprehensive solutions to fit your environment.

- Integrated Lights-Out 2 (iLO 2) server management is embedded to give you fully integrated hardware-based management without needing additional plug-in adapters. HP's next-generation Lights-Out management technology, iLO 2, provides full remote control access, including power up/power down, virtual KVM, and remote CD and USB key, which dramatically reduces the need to travel to servers for routine administration or problem solving.
- Optional iLO-2 Advanced Pack license delivers full graphical remote console without the need for additional hardware.
- Separate iLO-2 RJ45 port, giving you flexibility to choose either a dedicated management network port, or redirecting management traffic onto one of the existing RJ45 ports
- SmartStart deployment tool radically simplifies server deployment.
- HP Systems Insight Manager (SIM), the world's leading server management tool
- Tool-free entry and easy access to critical system components makes it simple to maintain your server.
- Easy in-the-rack access to your server via options for optical and floppy drives, plus front-panel access to a VGA connector, a USB port, and status LEDs

Flexible storage options

Choose from three different internal hard drive configurations, plus a large number of HBA and RAID adapter card options.

- Support for up to two 3.5" Serial ATA (SATA) hard drives, plus an integrated SATA controller that supports RAID 0 or RAID 1.
- SATA hard drive options range from low-cost 80GB hard drives to massive 750GB hard drives.
- Optional support for hot plug SATA or Serial Attached SCSI (SAS) hard drives when using an optional HBA (Host Bus Adapter) or RAID card, plus support for hot-plug hard drives. Cost-effective SATA hard drive and Intel processor options mean you can afford to deploy a full-featured server to a remote location.
- Front-accessible bays for optional optical and floppy drives

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. They reduce downtime risks with support levels that range from basic to mission-critical. HP Care Pack Services are available for purchase with your ProLiant DL320 G5 server.

Recommended service offerings:

- **Enhanced Care** options provide a baseline service level to achieve optimum server availability.
HP DL320 G5 server—3-year, 9x5, next-business-day, onsite response hardware support
- **Continuous Care** options deliver a recommended support level with committed same day response or fix times.
HP DL320 G5 server—3-year, 13x5, same-business-day, 4-hour onsite response hardware support
- **Total Care** service options are designed to provide round-the-clock response and complex problem resolution through round-the-clock hardware support.
HP DL320 G5 server—3-year, 24x7, same-business-day, 4-hour onsite response hardware support
- **Deployment Services** include HP Hardware Installation services designed to take the time, risk, and worry out of the deployment of ProLiant servers.
HP DL320 G5 server—Installation of a ProLiant DL320 G5 server

For more information visit:

www.hp.com/services/proliantservices
www.hp.com/go/proliant/carepack.

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Processor and Memory

Available processors	Dual-Core Intel Xeon processor 3060 2.40GHz, 4MB L2 cache, 1066MHz Front Side Bus (FSB) Dual-Core Intel Xeon processor 3050 2.13GHz, 2MB cache, 1066MHz FSB Dual-Core Intel Xeon processor 3040 1.86GHz, 2MB cache, 1066MHz FSB Dual-Core Pentium D processor 820 2.8GHz, 2MB cache, 800MHz FSB Single-Core Pentium 4 processor 651 3.4GHz, 2MB cache, 800MHz FSB Single-Core Celeron D processor 352 3.2GHz, 512MB cache, 533MHz FSB
Processor Capacity	1
Memory type	PC2-5300 (667MHz) DDR2 with ECC
Standard Memory	One of the following depending on model (does not apply to Configure-to-Order [CTO] models): Xeon model: 1 GB (1 x 1024 MB) Celeron D model: 512 MB (1 x 512 MB)
Max Memory	8 GB
Advanced memory protection	Advanced ECC
Chipset	Intel 3000 chipset

Storage and I/O

Storage type	Non-hot plug 3.5" Serial ATA (SATA) Hot plug 3.5" Serial ATA (requires optional PCI controller) Hot plug 3.5" SAS (requires optional PCI controller)
Max Internal Drives	2
Removable media bays	2 (optical drive bay, floppy drive bay)
Storage controller	Embedded SATA with RAID 0/1
Networking and Expansion Slots	Integrated NC324i PCI Express dual port Gigabit Server Adapter Two (2) (1 full-height and 1 low-profile) PCI-Express slots, optional PCI-X slot

Deployment

Form factor	Rack
Rack Height/Depth	1U/24.0" / 60.96cm
Remote management	Integrated Lights-Out 2 standard with Embedded Health and Universal Management Port (UMP)
Power Supply	Auto-sensing 420 Watt PFC Power Supply
Redundant power supply	Not available
Redundant fans	Standard
Warranty	3-year parts, 1-year labor, 1-year onsite

Technology services

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Financial services

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For more info

For more information about the HP ProLiant DL320 G5 Server, visit www.hp.com/servers/proliantDL320.

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4AA0-7883ENW, September 2006