

# HP ProLiant DL160 Generation 5 Server

Data sheet



The HP ProLiant DL 160 G5 offers a superior platform for your mainstream 32-bit and emerging 64-bit x86 applications—helping you achieve greater deployment flexibility at lower computing costs with the quality and reliability of HP.

With IT needs rapidly increasing, the right choice of a server can enable you to gain superior computing performance at minimum costs. Consider the HP ProLiant DL160 Generation 5 (G5) server—an affordable, robust 1U dual-processor server equipped with essential storage and memory features.

Powered by Intel®'s quad-core Xeon® processors, the server enables you to efficiently deploy and maintain large-scale cluster solutions. It also allows enterprise-minded small and medium businesses (SMBs) an affordable way to transition to denser, rack-mount servers with HP quality and reliability. Whether you need to run general purpose applications or high performance computing (HPC) and streaming workloads, the DL160 G5 can help meet the growing need for dense, efficient, and affordable computing in your data center.

With a maximum of 32 GB of memory and support for Serial ATA (SATA) as well as Serial Attached SCSI (SAS) drives, the DL160 G5 has the flexibility and scalability appropriate to meet the needs of a variety of computing tasks. Moreover, the ultra-dense 1U form factor allows maximum utilization of server rack and data center space, making it suitable for web farms, large data centers, and growing businesses.

## Ideal for:

### High performance technical computing

Well suited for high-performance environments, the HP ProLiant DL160 G5 provides:

- Concentrated compute power in a dense 1U form factor
- Flexible and powerful management capabilities with standard Lights-Out 100i (LO-100i), IPMI 2.0, SMASH CLP, and mass-update ability
- High-efficiency options for reduced total cost of ownership (TCO)
- Two embedded 10/100/1000 Ethernet controllers that feature load-balancing and failover support

### Small and medium businesses

The HP ProLiant DL160 G5 server is ideal for growing businesses that are looking for speed, stability, and data protection crucial for business growth—all at an affordable price.

- Provides deployment flexibility for enterprise-minded businesses transitioning to rack-mount environments
- Offers essential management and storage features at an affordable price
- Helps reduce data center footprint in space-constrained environments

- Provides SAS, SATA, and hot plug options for maximum configuration flexibility, enabling quicker access to data and increased storage bandwidth
- Supports a broad choice of applications including small business management, file/print, dedicated application serving, infrastructure, and Web serving

## Key features and benefits

### Concentrated 1U compute power

- Intel's latest quad-core technology with up to 1600 MHz front side bus, 12 MB Level 2 cache, and an improved snoop filter provide the speed required for high performance computing environments
- Two (2) PCI Express 2.0 x16 slots offer increased I/O bandwidth
- Standard PC2-5300 fully buffered DIMMs (DDR2-667) expandable to 32 GB with Advanced ECC provide greater reliability for demanding workloads

### Management

- HP LO-100i Remote Management with new license key activation comes standard, with upgrades for virtual KVM and virtual media support
- IPMI 2.0 and SMASH CLP support for additional industry standards-based manageability

### Versatility and reliability

- Optional high-efficiency power supply reduces TCO
- Scalable internal bays help meet your storage needs with up to 4 non-hot plug SATA or hot plug SATA/SAS configuration choices

- Supports RAID5 for fault tolerance with optional Smart Array

### Design and Connectivity

- Two HP NC105 integrated PCI Express gigabit server adapters
- Five USB ports (two front, one internal, two rear)
- Designed for easy in-rack serviceability
- High-efficiency power supply and processor options for reduced TCO in scale-out applications

### Ease of use

- Expandable performance through industry-standard tools and components designed for ease of use and improved processing throughput
- Easy-access chassis and internal component labels for fast and simple maintenance and expansion
- Build-to-order your platform, with options based on your unique performance needs—including processors, memory, hard drives, and HP Care Pack services

### Extensive Support

- Global server support network to assist you with set-up and installation and to provide reliable after-sales support—all from a single point of contact
- Broad choice of pre-configured, factory-integrated, and tested cluster packages that are ideal for mid-range technical computing

## HP ProLiant DL160 G5 server



<b>Number of processors</b>	Up to 2
<b>Processor type</b>	<p>Quad-Core Intel Xeon processors:</p> <p>X5472: 3.00 GHz, 1600 MHz Front Side Bus (FSB), 120 W</p> <p>E5472: 3.00 GHz, 1600 MHz FSB, 80 W</p> <p>X5460: 3.16 GHz, 1333 MHz FSB, 120 W</p> <p>E5462: 2.80 GHz, 1333 MHz FSB, 80 W</p> <p>E5430: 2.66 GHz, 1333 MHz FSB, 80 W</p> <p>E5405: 2.00 GHz, 1333 MHz FSB, 80 W</p> <p>Dual-Core Intel Xeon processors:</p> <p>X5272: 3.40 GHz, 1600 MHz FSB, 80 W</p>
<b>Cache</b>	12 MB L2 Cache
<b>Maximum processor speed</b>	3.4 GHz on the X5272
<b>Maximum front-side bus speed</b>	1600 MHz
<b>Maximum RAM</b>	32 GB
<b>RAM type/speed</b>	PC2-5300 fully buffered DIMMs (DDR2-667)
<b>Memory protection</b>	Advanced ECC
<b>Drives supported</b>	<p>Up to 4:</p> <p>Non-hot plug 3.5" Serial ATA (SATA) 7.2K 500*/250/160/80 GB</p> <p>Hot plug 3.5" SATA 7.2K 750/500/250/160/80 GB</p> <p>Hot plug 3.5" SAS 15K 300/146/72/36 GB</p>
<b>Maximum internal storage</b>	<p>3 TB SATA storage</p> <p>1.2 TB SAS storage</p>
<b>Removable media bays</b>	1
<b>Storage controller</b>	Integrated SATA RAID 0/1 controller standard, optional SAS HBAs, and Smart Array controllers
<b>Form factor</b>	1U rack
<b>Networking</b>	Integrated dual-port NC105 Gigabit Ethernet controller
<b>Remote management</b>	Lights-Out 100i standard
<b>Redundant power supply and fans</b>	N/A
<b>Warranty (parts/labor/onsite)</b>	1-year/1-year/1-year

For additional technical specifications, please visit the ProLiant DL160 G5 Server QuickSpecs at [www.hp.com/servers/proliantdl160](http://www.hp.com/servers/proliantdl160)

\*Factory Integrated Only

## 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/financialservices](http://www.hp.com/go/financialservices)

## For more information

For more information about the HP ProLiant DL160 G5 Server, contact your local HP representative, or visit:

[www.hp.com/servers/proliantdl160](http://www.hp.com/servers/proliantdl160)

## HP Services

The challenge of virtually every IT organization is similar: to develop and maintain an agile, efficient infrastructure that delivers the service levels your business needs—while staying within your budget.

HP Services offers comprehensive support to help deploy, manage, and support your ProLiant server. Our 69,000 skilled professionals and network of HP Authorized Channel Partners deliver global capabilities across the server lifecycle, including consulting, integration, outsourcing, and support.

HP Care Pack services deliver total care for your servers. Cost-effectively upgrade or extend your standard warranty with easy-to-buy, easy-to-use support packages. They reduce downtime risks with support levels ranging from basic service recommendations to enhanced mission-critical services.

HP Services help you get the most from your ProLiant investment with support offerings designed to give you the choice to address your business needs, service-level commitments, and budgets. Whether you purchase an HP-recommended or enhanced service for your ProLiant server, you can map your hardware choice to the precise level of support you need.

HP Care Pack Services are available for purchase with your HP ProLiant DL160 server.

### Recommended service offerings:

- 3-year Same Business Day Onsite 13-Hour x 5-Day coverage, hardware support
- Installation and start up

### Enhanced service offering

- 3-year Same Business Day Onsite 24-Hour x 7-Day coverage, hardware support
- Installation and start up

### Customer Benefits

- Gain total control and maximum flexibility—resulting in tangible savings.
- Improve server availability with single-source support.
- Reduce the complexity of services and support resulting in productivity gains.
- Reduce deployment and manage ProLiant Solutions smoothly and efficiently.
- Increase uptime and performance of your servers and solve applications problems quickly.
- Detect, diagnose, and repair problems quickly saving time, money and resources.

For more information visit:

[www.hp.com/services/proliantservices](http://www.hp.com/services/proliantservices)

[www.hp.com/proliant/carepack](http://www.hp.com/proliant/carepack)

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To learn more, visit [www.hp.com/servers/proliantdl160](http://www.hp.com/servers/proliantdl160)

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