



## HP ProLiant DL370 G6 and HP ProLiant ML370 G6 Servers

Data sheet



HP ProLiant DL370 G6 Server



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Enhance data centre efficiency and get the best return for your budget with the new HP ProLiant DL370 G6 (4U optimised rack) and the next generation of the HP ProLiant ML370 G6 (4U expandable tower) servers.

Data centres have grown in size and complexity, and are characterised more by diversity than standardisation. This means that your IT administrators have more on their hands than ever before. As they struggle to enhance data centre efficiency they also need to rein in rising power costs.

The new HP ProLiant DL370 G6 and the next generation of the HP ProLiant ML370 G6 servers help strike that balance. HP Insight Control suite with the new Dynamic Power Capping technology can triple the capacity of the data centre and tailor the power supply to the desired configuration. Talking about efficiency, both the HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 offer the broadest line up of Intel's latest processors: Intel® Xeon® 5500 series delivering (in some instances) up to twice the level of computing performance. Additionally, the new

HP ProLiant Onboard Administrator powered by the Integrated Lights-Out 2, offers features like simplified server set up, health monitoring, power optimisation, thermal control and remote management.

### Key features and benefits

The new HP ProLiant DL370 (4U rack optimised chassis) and the next generation of the HP ProLiant ML370 (expandable tower chassis) deliver Industry-leading management tools, leading performance, expandability, flexibility and the latest energy efficient technologies. These servers have been optimised for virtualisation and consolidation environments and are well-suited for deployment in growing businesses, remote office sites, or data centres and have been designed to bring you (our customer) the utmost confidence to run your business.

### Enhanced performance

The HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 promise to deliver enterprise-class performance. Both of these servers come equipped with Intel® Xeon® 5500 series processors delivering in some cases up to twice the level of computing performance. The new DDR3 memory technology offers twice the bandwidth, double the capacity and 25 per cent less power, and since both of these servers support 18 DIMMs slots customers can

# Configure an optimised server in half the time – with the confidence to know it is right. Use ProLiant Solution Blocks and HP configuration tools co-designed and validated with leading software vendors and their energy efficiency leadership.

achieve up to 144 GB of DDR3 Registered memory. Both the HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 include the new generation of HP Smart Array Modular Controllers delivering 200 per cent greater performance and 100 per cent backward compatibility.

## **Improved power management**

Struggling to get your soaring power bills under control? Not only does the right-sized ProLiant Power Supplies help reclaim lost data centre power, but the Intelligent Power and Cooling Savers can tell when power is being wasted. Correspondingly, you get to improve your IT architecture's capacity up to 3x with Dynamic Power Capping, which is available as part of Insight Control suite. In addition, the Intel 45 nanometre technology and dynamic resource scaling further enables more efficient power management.

Supporting the High Efficiency Power Supplies, both the HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 make sure that there is minimum power wasted. Improved power efficiency enabled by HP ProLiant Common Slot Power supplies (460W & 750W)<sup>1</sup> and HP ProLiant Common Slot Power supplies (1200W)<sup>2</sup> has earned the servers various energy saving certifications.

## **Deploy easily, manage seamlessly**

The ProLiant portfolio of deployment tools, such as SmartStart, Pre-Boot Execution Environment (PXE), Array Configuration Utility (ACU) and ROM-Based Setup Utility (RBSU) enable a hassle-free set up. Then, the HP ProLiant Onboard Administrator and HP Systems Insight Manager give you the flexibility to manage and monitor all your HP ProLiant DL370 G6 and HP ProLiant ML370 G6 servers seamlessly, from anywhere, anytime, making it a perfect fit for remote deployments.

## **Enterprise-class redundancy features**

Business continuity is a must for businesses, big and small. Intolerant to downtime as your business is, you can count on the HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 to deliver 24/7 accessibility and best-in-class data integrity. There are three hot plug fans that are offered standard with every system, for full redundancy features you can purchase the HP DL370 G6 and ML370 G6 redundant fan kit. Combined with this is the availability of two processors and support for redundant power supplies delivering high availability and high performance system processing.

## **Maximum flexibility**

As mentioned earlier support for the PCI-Express Gen2 slots (nine available) coupled with the 8-bay drive cage provide room for expansion. Another outstanding feature is the flexibility of the tower models to convert to rack configurations, hence lending your infrastructure additional deployment flexibility.

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<sup>1</sup> Meet Climate Savers Computing Initiative GOLD, ECOS Consulting 80PLUS GOLD and the standard specifications for Energy Star for Servers Power Supply requirements

<sup>2</sup> Meet Climate Savers Computing Initiative Bronze, ECOS Consulting 80PLUS Bronze Power Supply requirements

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### **Optimise system performance and ease of service ability**

With its inherent features that optimise business outcomes and facilitate ease of serviceability, the HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 rank at the top of TPC-C benchmarks for performance. Feature enhancements like nine available PCI-Express Gen2 slots, 18 DIMM memory slots supporting Advanced ECC, mirroring mode and lock-step mode give these two servers a visible competitive advantage. For tool-free internal serviceability, snap on quick deploy slide rails included with rack models and tower-to-rack conversion kits. They enable rapid installation and save valuable time.

### **Ideal environments**

#### **A range of environments from corporate work groups to critical remote sites**

With its large internal storage capacity – accommodating everything from Web applications to databases – 24/7 accessibility and ease of serviceability, the HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 are both the ideal choice for virtualisation and consolidation environments spanning throughout corporate work groups to critical remote sites.

#### **Growing businesses with expandability requirements**

Designed to meet the requirements of growing businesses, the HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 have nine available I/O slots that support PCI-Express Gen2. And what about storage capacity, you may ask. Put your fears to rest as the 8-bay standard drive cage provides up to 2.4 TB of storage (8 x 300 GB).

#### **Critical remote sites**

You need not worry about connectivity/performance when you are working in a remote location. The new HP ProLiant Onboard Administrator and HP Systems Insight Manager (SIM), make sure that you get enterprise-class management features, therefore best-in-class availability and uptime for critical applications.

#### **Options include**

- Easy tower to rack conversion in the case of the HP ProLiant ML370 G6, which includes a tower to rack conversion kit
- USB 2.0 Support – five total USBs; two front, two rear and, for security purposes one internal
- Up to 24 Small Form Factor drives and up to 14 Large Form Factor drives
- Hot plug fans and power with optional redundancy
- High performance models with a 2nd processor, SAS controller, extra memory, redundant fans and power supplies

- HP Insight Control suite helps you deploy servers rapidly, proactively monitor system health and performance, optimise power consumption and take total remote control of your infrastructure

### **HP Financial Services**

HP Financial Services provides innovative financing and financial asset management programmes 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](http://www.hp.com/go/hpfinancialservices)

### **For more information**

For more information about the HP ProLiant DL370 G6 and the HP ProLiant ML370 G6 servers contact your local HP representative, or visit:

[www.hp.com/servers/dl370-g6](http://www.hp.com/servers/dl370-g6) or

[www.hp.com/servers/ml370-g6](http://www.hp.com/servers/ml370-g6)

## **HP Services**

### **When Technology Works. Business Works.**

The challenge of virtually every IT organisation is similar: To develop and maintain an agile, efficient server infrastructure that delivers the service levels your business needs. HP Technology Services offer a comprehensive range of HP Care Pack Services to help design, deploy manage and support your IT environment.

#### **Minimum Recommended HP Care Pack services**

- Three-year, same business day 4-hour response on-site 24-hour x 7-day coverage, hardware support
- Integrated hardware plus operating system installation and start-up

#### **Enhanced service level Care Pack services**

- **Three-year Support Plus 24:** Integrated 24x7 hardware and software operating support
- **Proactive Select:** Access to HP best-in-class technical consultants. Purchase service credits and obtain expertise when needed

#### **Benefit from HP Care Pack Services helping you:**

- Reduce deployment time and manage ProLiant server solutions smoothly and efficiently
- Increase uptime and performance of servers availability to your business
- Detect, diagnose and repair problems to quickly save time, money and resources

For more information, visit

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

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

**Processor and Memory**

<b>Processor type</b>	Intel® Xeon® 5500 series processors
<b>Available processors</b>	Quad-Core Processors Intel® Xeon® Processor X5570 (2.93 GHz, 8 MB L3 Cache, 95W, DDR3-1333, HT, Turbo 2/2/3/3) Intel® Xeon® Processor X5560 (2.80 GHz, 8 MB L3 Cache, 95W, DDR3-1333, HT, Turbo 2/2/3/3) Intel® Xeon® Processor X5550 (2.66 GHz, 8 MB L3 Cache, 95W, DDR3-1333, HT, Turbo 2/2/3/3) Intel® Xeon® Processor E5540 (2.53 GHz, 8 MB L3 Cache, 80W, DDR3-1066, HT, Turbo 1/1/2/2) Intel® Xeon® Processor E5530 (2.40 GHz, 8 MB L3 Cache, 80W, DDR3-1066, HT, Turbo 1/1/2/2) Intel® Xeon® Processor E5520 (2.26 GHz, 8 MB L3 Cache, 80W, DDR3-1066, HT, Turbo 1/1/2/2) Intel® Xeon® Processor E5506 (2.13 GHz, 4 MB L3 Cache, 80W, DDR3-800) Intel® Xeon® Processor E5504 (2.00 GHz, 4 MB L3 Cache, 80W, DDR3-800) Intel® Xeon® Processor L5520 (2.26 GHz, 8 MB L3 Cache, 60W, DDR3-1066, HT, Turbo 1/1/2/2) Dual-Core Processors Intel® Xeon® Processor E5502 (1.86 GHz, 4 MB L3 Cache, 80W, DDR3-800)
<b>Processor core</b>	Quad-Core and Dual-Core Processors
<b>Processor cache</b>	8 MB (1 x 8 MB) Level 2 cache NOTE: All processor models except for those identified below. 4 MB (1 x 4 MB) Level 2 cache NOTE: For processors E5506/E5504/E5502
<b>Max Processor speed</b>	2.93
<b>Multi-processor</b>	2
<b>Memory type</b>	PC3-8500R DDR3 Registered (RDIMM) memory, operating at 1066 MHz PC3-10600E DDR3 Unbuffered (UDIMM) memory, operating at 1333 MHz
<b>Standard memory</b>	Standard (Performance Models)—12 GB (6 x 2 GB) RDIMM Standard (Base Models)—6 GB (3 x 2 GB) RDIMM Standard (Entry Model)—4 GB (2 x 2 GB) UDIMM
<b>Max Memory</b>	144 GB RDIMM 24 GB UDIMM
<b>Advanced memory protection</b>	Advanced ECC, Mirroring mode, Lock-step mode
<b>Storage type</b>	Hot plug 2.5-inch SAS/SATA Hot plug 3.5-inch SAS/SATA
<b>Max number of hard drive</b>	24
<b>Max number of hard drive note</b>	Supports (24) 2.5" Small Form Factor or (14) 3.5" Large Form Factor Hard Drives
<b>Expansion slot</b>	9 Available PCI-Express Generation 2 slots
<b>Storage controller</b>	HP Smart Array P410i Controller
<b>Deployment</b>	
<b>Form factor</b>	Rack or Tower
<b>Rack height</b>	4U
<b>Networking</b>	HP NC375i Quad Port Multifunction Gigabit Server Adaptor
<b>Infrastructure management</b>	HP ProLiant Onboard Administrator powered by the HP Integrated Lights-Out 2 HP Insight Control suite with new Dynamic Power Capping technology
<b>Redundant power supply</b>	Optional
<b>Redundant fans</b>	Optional
<b>Warranty</b>	3-year parts/3-year labour/3-year on site

**Technology for better business outcomes**

To learn more, visit [www.hp.com/servers/dl370-g6](http://www.hp.com/servers/dl370-g6) or  
[www.hp.com/servers/ml370-g6](http://www.hp.com/servers/ml370-g6)

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