HP ProLiant DL120 G7 Server

Data sheet

HP ProLiant DL120 G7 Server is ideal for organizations that require a low-cost server to run single dedicated applications. It makes the 1P1U segment more affordable and efficient by bringing together powerful dual-core and quad-core computing in a 1U uniprocessor rack server.

The HP ProLiant DL120 G7 Server is an entry-level, rack-optimized server, ideal for environments running dedicated applications (IT Infrastructure applications/scale-out applications). Built using the latest industry-standard technologies, it delivers affordable performance and provides essential features for varied computing needs.

The ProLiant DL120 G7 Server supports the latest Intel® Xeon® E3, Intel® Core™ i3, and Intel Celeron® processors. An array of dual-core, quad-core, and Intel Pentium® processors gives you the option to choose the appropriate processor based on your application demands and budgets. The new Intel Xeon E3-1200 processors offer significant performance improvement (up to 25%), and four additional PCI-Express lanes, over the 3400 series processors.

The uniprocessor 1U server provides two PCI-Express slots and an option of redundant power supply support. Additional upgrades, including HP SAS HBAs and Smart Array Controllers, provide support for SAS LFF and SFF hard disk drives. The integrated remote management, HP Integrated Lights-Out 3 (iLO 3), reduces physical visits to servers, thus cutting down operational costs. iLO 3 also enables simplified server setup, power and thermal optimization, and embedded health monitoring.

Features and benefits

Low-cost rack
The ProLiant DL120 G7 Server is a right-sized, right-priced solution, configured to meet the varying application demands of your data center.

- It offers the lowest price point for a 1P1U configuration in the rack server family.
- It provides affordable performance for single dedicated applications and is packed with essential features for varied computing needs.

Lower total cost of ownership (TCO)
With its integrated remote management capabilities, the ProLiant DL120 G7 Server can help you take total control of your infrastructure, allowing you to respond quickly to your business needs. Remote management reduces downtime and improves productivity, thereby lowering your TCO.

- The ProLiant DL120 G7 Server offers integrated, enterprise-level remote management (iLO 3) at an affordable price, bringing down the cost of server deployment, health monitoring, server power, and temperature control. Health monitoring agents allow you to respond quickly to server issues, from a remote location.
- The ProLiant DL120 G7 Server with its accessible, rack optimized 1U chassis, helps you enable fast deployment and efficient maintenance.

Services and support

When you select the ProLiant DL120 G7 Server as the core of your infrastructure, you are choosing to run your business with confidence. With its associated services and support capabilities, the ProLiant DL120 G7 Server can help you take total control of your infrastructure, allowing you to fine-tune technology operations, reduce risk, and drive better business outcomes. It gives you the flexibility to:

• Avail a complete range of services and support for every budget including startup, installation, extended warranty, network planning, software updates, and others.

• Enjoy round-the-clock access to HP helpdesk and service professionals.

• Benefit from our rigorous and thorough design and quality tests, which can help increase your server productivity for the long haul.

What's new?

• Support for the latest Intel Xeon E3 quad-core, Intel Core i3, and Intel Pentium dual-core and Intel Celeron processors provides better and faster system performance. Availability at different price points enables you to pick the right Intel Xeon and Core processors to suit your workload requirements.

• Enterprise-level, integrated remote management with iLO 3 enables reduced downtime and improved productivity.

• Support for up to eight SFF and four LFF drives can help you meet your storage requirements with ease.

• Redundant power supply—an optional availability feature—provides greater uptime and keeps your environment up and running.

Ideal for:

• Single dedicated applications/IT Infrastructure applications, file/print, Web, and messaging

• Small and medium, entry-level, budget-conscious businesses that need a uniprocessor server solution with cost-effective SAS and SATA hard drives. The 1U chassis increases density while keeping power consumption to within pre-determined limits—a concern for upcoming data centers

• Service providers and enterprise customers with a need for a dedicated application server

• Chain stores and remote site for data transferring and single task applications

Processor type	Intel Xeon E3-1200, Intel Core i3-2100, Intel Pentium Series, and Intel Celeron
Available processors	95/80 W, Turbo four-core, 8 MB L3 cache, 1333 MHz DDR3 memory 65 W, Turbo two-core, 3 MB L3 cache, 1333 MHz DDR3 memory 20 W, Turbo two-core, 3 MB L3 cache, 1333 MHz DDR3 memory
Processor core	Quad-core and dual-core
Processor cache	8 MB Intel® Smart Cache 3 MB Intel Smart Cache
Max processor speed	3.5 GHz
Standard memory	
Memory	4 DDR3 Unbuffered DIMM sockets; 16 GB max
Advanced memory protection	Unbuffered ECC
Storage	
Internal drive support	4 LFF SATA/SAS Hot Plug 8 SFF SATA/SAS Hot Plug
Storage controller	Integrated 6 port SATA
Expansion slots	1 PCIe x16 Gen2 (x16 speed) (full-length, full-height) 1 PCIe x8 Gen2 (x4 speed) (half-length low-profile)
Network controller	Embedded NC112i single port GbE (x2)
Deployment	
Chassis	1U, rack-optimized
Redundancy	Fans: none Power: optional
Management	Remote management with iLO 3
USB ports	Front: 2, Rear: 4, and Internal: 1
Warranty	1-year parts, 1-year labor, and 1-year onsite
Ideal applications	Web applications IT Infrastructure applications File/print/messaging
QuickSpecs URL	http://h18000.www1.hp.com/products/quickspecs/14009_div/14009_div.html
Ideal environment	Enterprise customers looking for a dedicated application server SMB customers—moving from tower to rack Chain stores and remote sites

Why HP?

- HP ProLiant range has a strong brand presence with a firm foundation in research and development, making it the market leader in x86 market.
- ProLiant DL120 G7 Server comes with iLO 3—an enterprise-level remote management feature, introduced for the first time in this category of servers—which gives you the competitive advantage you need.
- HP offers unique products and solutions, tried and tested methodologies, and complete lifecycle service capabilities, to manage your project—from business requirements to implementation.

HP Financial Services

HP Financial Services provides innovative financing and financial asset management programs to help you acquire, manage, and ultimately retire your HP solutions. For more information, visit **www.hp.com/go/hpfinancialservices**.

Customer technical training

We offer a variety of training courses on storage software, networking, archiving, and disk storage systems. Our classes are available in many delivery modalities—from traditional instructor-led courses at one of our 80 training centers worldwide to online and/or onsite training. For more information, visit **www.hp.com/learn/storage**.

HP Services

HP Technology Services has a robust portfolio of packaged lifecycle support solutions that can help you optimize ProLiant support for better business outcomes.

Optimized Care

Delivers better performance and continuous availability of crucial ProLiant systems through deployments and proactive management practices. Services include:

- HP ProLiant Server Hardware Installation
- 3-year, 6-hour, Hardware Support Onsite Call-to-Repair Service

Standard Care

Maintains a high level of server availability along with expert help, to cut costs and complexities of implementing and supporting ProLiant servers. Services include:

- HP ProLiant Server Hardware Installation
- 3-year, 24x7 4-hour response, Hardware Support Onsite Service

Basic Care

Delivers minimum recommended support service level with expert advice, implementation, and support. Services include:

- HP ProLiant Server Hardware Installation
- 3-year, 13x5 4-hour response, Hardware Support Onsite Service

Services are equipped with Insight Remote Support, delivering remote monitoring, diagnosis, and problem resolution, without any additional costs.

Only HP brings together deep expertise, proactive and business- critical support, and a strong partner network. For more information, visit **www.hp.com/services/proliant**.

If you are looking for a reliable, low-cost server platform for your single IT infrastructure applications, the HP ProLiant DL120 G7 Server is the ideal choice. To learn how the HP ProLiant DL120 G7 Server seamlessly integrates into your existing environment and provides value for your money, visit **www.hp.com/servers/dl120-g7**.

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