

# Hewlett Packard Enterprise ProLiant DL120 G9 server (777424-B21)

ProLiant DL120 Gen9 E5-2603v3 1.6GHz 6-core 4GB-R B140i 4LFF 550W PS Entry Server



## Price details:

Price excl. VAT: 1,335.43 €

Eco fees: 0.00 €

VAT 21 %: 280.44 €

## Product details:

Product code: 777424-B21

EAN: 0888793152119

Manufacturer: Hewlett Packard Enterprise

**1,615.87 €**

\* VAT included

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Are you needing a dense server solution for virtualization but having difficulty limiting your licensing costs? The HP ProLiant DL120 Gen9 Server, an enterprise class design packed in a dense 1U/1-socket form factor. Offering a combination of performance, redundancy, expandability as compared to the traditional 1P servers making the DL120 Gen9 Server ideal for SMBs and Enterprise customers and the growing needs of running virtualization and general purpose workloads.

### Combination of Performance and Expandability in a Dense Form Factor

The HP ProLiant DL120 Gen9 Server supports one (1) Intel® Xeon® processor E5-2600 v3 processors offering improved performance and efficiency in a dense 1U chassis.

HP SmartMemory prevents data loss and downtime with enhanced error handling. Support of up to 256 GB max capacity with speeds up to 2133 MHz with up to 14% 1 performance gain.

HP SmartDrives continue to deliver optimal performance, capacity, and reliability to meet various customer segments and workload requirements at the right economics. Supports up to four (4) LFF and eight (8) SFF 12 Gb/s HDD/SSD options.

Up to three (3) PCIe 3.0 riser slots to support a GPU and networking cards offering increased IO bandwidth and seamless expandability.

### Cost optimized 1-socket solution for enterprise class workloads

The HP ProLiant DL120 Gen9 Server helps reduce virtualization licensing costs with its 1U/1-socket cost optimized design for SMBs and service providers.

Embedded with 2x1GbE, up to three (3) PCIe slots and choice of HP FlexibleLOM provide you flexibility of networking bandwidth and fabric so you can adapt and grow to changing business needs.

80 PLUS gold certified entry-level redundant HP Power Supplies provide up to 92% efficiency which combined with HP power management features leads to reduction of power consumption and expense.

Improved ambient temperature standard with ASHRAE A3 2 support helps customers reduce cooling expense.

### Agile Infrastructure Management for Accelerating IT Service Delivery

With HP ProLiant DL120 Gen9 Server, HP OneView provides converged management for automation simplicity across servers, storage and networking.

Online personalized dashboard for converged infrastructure health monitoring and support management with HP Insight Online.

Configure in Unified Extensible Firmware Interface (UEFI) boot mode, provision local and remote with Intelligent Provisioning and Scripting Toolkits or HP RESTful Interface Tool.

Embedded management to deploy, monitor and support your server remotely, out of band with HP iLO.

Optimize firmware and driver updates and reduce downtime with HP Smart Update, consisting of HP SUM and SPP.

### Energy Efficiency by Design

80 PLUS gold certified entry-level redundant HP Power Supplies provide up to 92% efficiency which combined with HP power management features leads to reduction of power consumption and expense.

Improved ambient temperature standard with ASHRAE A3 2 helps customers reduce cooling expense.

## Main specifications:

### Processor

Processor frequency:	1.6 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2603V3
Processor cores:	6
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	15 MB
System bus rate:	6.4 GT/s
Processor manufacturer:	Intel
Processor socket:	LGA 2011-v3
Motherboard chipset:	Intel C610
Processor lithography:	22 nm
Processor threads:	6
Processor operating modes:	64-bit
Stepping:	R2
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Haswell
Tcase:	72.8 °C
Maximum internal memory supported by processor:	768 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600 MHz
Memory bandwidth supported by processor (max):	51 GB/s
Memory channels supported by processor:	Quad
ECC supported by processor:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Maximum number of PCI Express lanes:	40
PCI Express configurations:	x4, x8, x16
Processor package size:	52.5 mm
Supported instruction sets:	AVX 2.0
Scalability:	2S
Physical Address Extension (PAE):	46 bit
Embedded options available:	N
Thermal Design Power (TDP):	85 W
Processor series:	Intel Xeon E5-2600 v3
Conflict Free processor:	N

### Memory

Internal memory:	4 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	128 GB
Memory slots:	8x DIMM
Memory clock speed:	2133 MHz
Memory layout (slots x size):	1 x 4 GB

### Storage

Maximum storage capacity:	24 TB
Card reader integrated:	Y
Compatible memory cards:	MicroSD (TransFlash)

### Networking

Ethernet LAN:	Y
LAN controller:	HP 331i
Ethernet interface type:	Gigabit Ethernet

### Ports & interfaces

USB 2.0 ports quantity:	1
VGA (D-Sub) ports quantity:	1
Ethernet LAN (RJ-45) ports:	2
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2

### Expansion slots

PCI Express x16 (Gen 3.x) slots: 1  
PCI Express slots version: 3.0

#### Design

Chassis type: Rack (1U)  
Optical drive type: N  
Rack mounting: Y  
Redundant fans support: Y

#### Performance

Operating system installed: N

#### Processor special features

CPU configuration (max): 2  
Intel Rapid Storage Technology: N  
Enhanced Intel SpeedStep Technology: Y  
Intel® Identity Protection Technology (Intel® IPT): N  
Intel® Wireless Display (Intel® WiDi): N  
Intel Virtualization Technology for Directed I/O (VT-d): Y  
Intel® Anti-Theft Technology (Intel® AT): N  
Intel® Hyper Threading Technology (Intel® HT Technology): N  
Intel® My WiFi Technology (Intel® MWT): N  
Intel® Turbo Boost Technology: N  
Intel® vPro® Technology: Y  
Intel® Quick Sync Video Technology: N  
Intel® InTru® 3D Technology: N  
Intel® Clear Video HD Technology (Intel® CVT HD): N  
Intel® Insider®: N  
Intel Flex Memory Access: N  
Intel® AES New Instructions (Intel® AES-NI): Y  
Intel Trusted Execution Technology: Y  
Intel Enhanced Halt State: Y  
Intel VT-x with Extended Page Tables (EPT): Y  
Intel Demand Based Switching: Y  
Intel® Secure Key: Y  
Intel TSX-NI: N  
Intel® OS Guard: Y  
Intel Clear Video Technology: N  
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID): Y  
Intel 64: Y  
Intel Identity Protection Technology version: 0.00  
Intel Secure Key Technology version: 1.00  
Intel Virtualization Technology (VT-x): Y  
Intel TSX-NI version: 0.00  
Intel Dual Display Capable Technology: N  
Intel FDI Technology: N  
Intel Fast Memory Access: N  
Processor ARK ID: 83349

#### Power

Power supply: 550 W  
Number of main power supplies: 1

#### Weight & dimensions

Width: 434.6 mm  
Depth: 607 mm  
Height: 42.9 mm  
Weight: 17000 g

#### Other features

L1 cache: 15 MB  
Graphics adapter: G200eH2  
Graphics adapter family: Matrox  
Intel® Virtualization Technology (Intel® VT): VT-d,VT-x

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