

# Hewlett Packard Enterprise ProLiant DL60 G9 server (785836-B21)

HP ProLiant DL60 Gen9 E5-2609v3 1.9GHz 6-core 8GB-R B140i 4LFF SATA 550W PS  
Base Server



## Price details:

Price excl. VAT: 1,586.88 €

Eco fees: 0.00 €

VAT 21 %: 333.24 €

## Product details:

Product code: 785836-B21

EAN: 4514953790315

Manufacturer: Hewlett Packard Enterprise

**1,920.12 €**

\* VAT included

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Are you looking for affordable compute but in a dense design? The HP ProLiant DL60 Gen9 Server provides the right density, performance and manageability for file and print, messaging, collaboration workloads and cloud environments. All in a compact 1U chassis at an affordable price to meet the needs of cost conscious service providers and SMBs.

### Price Performance for Budget Constrained Environments

The HP ProLiant DL60 Gen9 Server supports up to two (2) Intel® Xeon® E5-2600 v3 processors and eight (8) DIMM slots of HP DDR4 SmartMemory offering improved efficiency and up to 14% performance increase.

Standard 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.

Embedded SATA HP Dynamic Smart Array B140i Controller for boot and data. Choice of HP Smart Array Controllers with increased performance, data availability with the 12Gb/s SAS technology or HP Smart HBAs with reliable high performance SAS connectivity capable of running HBA mode or simple RAID mode.

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 HDD/SSD options.

### Density and Efficiency packaged in a Cost Optimized Design

The HP ProLiant DL60 Gen9 Server offers efficiency in a 1U cost optimized design at an affordable price point for SMBs with basic file and print or messaging needs to Service providers with cloud environments.

80 PLUS gold certified entry-level 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 2helps customers reduce cooling expense.

### Agile Infrastructure Management for Accelerating IT Service Delivery

With HP ProLiant DL60 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.

## Main specifications:

### Processor

Processor frequency:	1.9 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2609V3

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:	M1
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Haswell
Tcase:	70.9 °C
Maximum internal memory supported by processor:	368 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866,2133 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):	Y
Physical Address Extension (PAE):	46 bit
Embedded options available:	Y
Thermal Design Power (TDP):	85 W
Processor series:	Intel Xeon E5-2600 v3
Conflict Free processor:	N

#### Memory

Internal memory:	8 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 8 GB

#### Storage

Hard drive interface:	Serial ATA
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#### Networking

Ethernet LAN:	Y
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 slots version:	3.0
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#### Design

Chassis type:	Rack (1U)
Optical drive type:	N

#### Performance

Operating system installed:	N
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#### Processor special features

CPU configuration (max):	2
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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® Smart Cache:	Y
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):	N
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:	81897

#### 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

Graphics adapter:	G200eH2
Graphics adapter family:	Matrox

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