

# Hewlett Packard Enterprise ProLiant DL60 Gen9 server (833865-B21)

Intel Xeon E5-2609 v4 (1.7GHz, 20MB), 8GB (1 x 8GB) DDR4, 4 LFF HDD, Dynamic Smart Array B140i, 550W PS



## Price details:

Price excl. VAT: 1,115.12 €

Eco fees: 0.00 €

VAT 21 %: 234.18 €

## Product details:

Product code: 833865-B21

EAN: 4514953953192

Manufacturer: Hewlett Packard Enterprise

**1,349.30 €**

\* 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.

## Features

### Price Performance for Budget Constrained Environments

- The HP ProLiant DL60 Gen9 Server supports up to (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 (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 (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 2 helps customers reduce cooling expense.

### Agile Infrastructure Management for Accelerating IT Service Delivery

- With HP ProLiant DL60 Gen9 Server, HP OneView provides infrastructure 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 (Smart Update Manager) and SPP (Service Pack for ProLiant).

## Main specifications:

### Processor

Processor frequency:	1.7 GHz
Processor family:	Intel Xeon E5 v4
Processor model:	E5-2609V4
Processor cores:	8
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	20 MB
System bus rate:	6.4 GT/s
Processor socket:	LGA 2011-v3
Motherboard chipset:	Intel C610
Processor lithography:	14 nm
Processor threads:	8
Processor operating modes:	64-bit
Stepping:	R0
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Broadwell
Tcase:	74 °C
Maximum internal memory supported by processor:	256 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866 MHz
Memory bandwidth supported by processor (max):	59.7 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
Processor package size:	52.5 x 51 mm
Supported instruction sets:	AVX 2.0
Processor code:	SR2P1
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 v4
Conflict Free processor:	Y

#### Memory

Internal memory:	8 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	256 GB
Memory slots:	8 DIMM
Memory clock speed:	2400 MHz
ECC:	Y
Memory layout (slots x size):	1 x 8 GB

#### Storage

Hard drive size:	3.5 "
Hard drive interface:	Serial ATA
RAID support:	Y
Maximum storage capacity:	32 TB
RAID levels:	0,1,1+0,5
Number of hard drives supported:	4

#### 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
<b>Performance</b>	
Operating system installed:	N
Compatible operating systems:	Microsoft Windows ServerRed Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)VMware
<b>Processor special features</b>	
CPU configuration (max):	2
Enhanced Intel SpeedStep Technology:	Y
Intel® Identity Protection Technology (Intel® IPT):	Y
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel® Hyper Threading Technology (Intel® HT Technology):	N
Intel® Turbo Boost Technology:	N
Intel® vPro® Technology:	Y
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:	Y
Intel® OS Guard:	Y
Intel 64:	Y
Intel Virtualization Technology (VT-x):	Y
Processor ARK ID:	92990
<b>Power</b>	
Redundant power supply (RPS) support:	N
Power supply:	550 W
Number of main power supplies:	1
<b>Certificates</b>	
Energy Star certified:	N
<b>Weight &amp; dimensions</b>	
Width:	434.6 mm
Depth:	607 mm
Height:	42.9 mm
Weight:	17000 g
<b>Other features</b>	
Graphics adapter:	G200eH2
Graphics adapter family:	Matrox

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