

# Hewlett Packard Enterprise ProLiant DL80 Gen9 E5-2609v4 8GB-R H240 8LFF 550W PS Base server (833869-B21)

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## Price details:

Price excl. VAT: 1,270.52 €

Eco fees: 0.00 €

VAT 21 %: 266.81 €

## Product details:

Product code: 833869-B21

EAN: 0889894250919

Manufacturer: Hewlett Packard Enterprise

**1,537.33 €**

\* VAT included

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Do you need an affordable storage server for capacity intensive applications? The HP ProLiant DL80 Gen9 Server is designed with affordable storage, networking and processor scalability, and manageability in a 2U server for cost conscious service provider and SMBs. Apart from basic IT infrastructure workloads this server is ideal for running storage capacity intensive applications like cold storage, back-up due to compelling cost/GB that it offers.

## Features

### Affordable Storage and IO Expandability for Service Providers and SMBs

- The HP ProLiant DL80 Gen9 Server provides ample storage capacity with up to twelve (12) Large Form Factor (LFF) HP SmartDrives, delivering optimal performance, capacity, and reliability to meet various customer segments and workload requirements at the right economics.
- Up to six (6) PCIe 3.0 riser slots to support one single-wide GPU or networking cards offering increased IO bandwidth and seamless expandability.
- Comes standard with 2x1GbE and choice of HP FlexibleLOM to provide you flexibility of networking bandwidth and fabric so you can adapt to changing business needs.

### Just Enough Performance for Basic IT Infrastructure Workloads

- The HP ProLiant DL80 Gen9 Server supports up to two (2) Intel® Xeon® processor E5-2600 v3 processors offering improved performance and efficiency.
- HP SmartMemory has the built-in intelligence to improve performance, reduce downtime and energy costs resulting in up to 14% better throughput performance and up to 37% lower power consumption with DDR4 memory.
- Embedded SATA HP Dynamic Smart Array B140i Controller for boot and data. Choice of HP Smart Array Controllers with increased performance, data availability with 12 Gb/s SAS technology or HP Smart HBAs with reliable high performance SAS connectivity capable of running HBA mode or simple RAID mode.

### Agile Infrastructure Management for Accelerating IT Service Delivery

- With HP ProLiant DL80 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:	1.7 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,Serial Attached SCSI (SAS)
RAID support:	Y
Maximum storage capacity:	32 TB
RAID levels:	0,1,5
Number of hard drives supported:	8

### Networking

Ethernet LAN:	Y
Cabling technology:	10/100/1000Base-T(X)
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
<b>Expansion slots</b>	
PCI Express slots version:	3.0
<b>Design</b>	
Chassis type:	Rack (2U)
Optical drive type:	N
Rack mounting:	Y
<b>Performance</b>	
Operating system installed:	N
Compatible operating systems:	Microsoft Windows ServerRed Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)Oracle SolarisVMware
<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:	434.7 mm
Depth:	634.3 mm
Height:	87.6 mm
<b>Other features</b>	
Graphics adapter:	G200eH2
Graphics adapter family:	Matrox

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