

# Hewlett Packard Enterprise ProLiant DL180 G9 server (778457-B21)

ProLiant DL180 Gen9 E5-2630v3 2.4GHz 8-core 2P 32GB-R P840/4G 16SFF SAS 800W RPS ES Server



## Price details:

Price excl. VAT: 5,063.19 €

Eco fees: 0.00 €

VAT 21 %: 1,063.27 €

## Product details:

Product code: 778457-B21

EAN: 0888793187500

Manufacturer: Hewlett Packard Enterprise

**6,126.46 €**

\* VAT included

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Do you need a cost-effective server that can keep pace with your data growth while providing options to manage and deliver performance? The HP ProLiant DL180 Gen9 Server delivers an optimized 2U server, designed with the right balance of expandability, performance, reliability and manageability all in a new compact chassis, making it the ideal platform for SMBs and Enterprises running the "New Style of IT", applications such as Hadoop, Cloud and mobility applications which need right mix of compute and storage.

### Scalability and Performance To Meet the New Standard of Growing Data Center Needs

The HP ProLiant DL180 Gen9 Server provides ample storage capacity on demand with drive configurations ranging from (4) to (12) Large Form Factor (LFF) or (8) to (16) Small Form Factor (SFF) HP SmartDrives, with flexibility of LFF non-hot plug (NHP) options at the right economics.

It supports up to two Intel® Xeon® processor E5-2600 v3 processors with up to 12 cores and 16 DIMM slots of HP DDR4 Smart Memory offering improved performance and efficiency.

Comes standard with 2x1GbE and choice of HP FlexibleLOM or PCIe standup 1GbE or 10GbE Adapters provide you flexibility of networking bandwidth and fabric so you can adapt and grow to changing business needs.

Up to six (6) PCIe 3.0 riser slots to support a wide range of GPUs and networking cards offering increased IO bandwidth and seamless expandability.

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.

### High Availability and Efficiency for Dense Storage Applications

The HP ProLiant DL180 Gen9 Server supports HP SmartDrive technology which improves serviceability and prevents data loss with features, such as, self-describing LEDs and a Do Not Remove icon.

HP SmartMemory prevents data loss and downtime with enhanced error handling. Support of up to 512 GB max capacity with speeds up to 2133 MHz with up to 14% 1 performance gain.

80 PLUS 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.

Improved ambient temperature standard with ASHRAE A3 and A4 2 helps customers reduce cooling expense.

ENERGY STAR® qualified server configurations illustrate a continued commitment to helping customers conserve energy and save money.

### Agile Infrastructure Management for Accelerating IT Service Delivery

With HP ProLiant DL180 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 UEFI boot mode, provision local and remote with Intelligent Provisioning and Scripting Toolkits.

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:	2.4 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2630V3
Processor cores:	8
Number of processors installed:	2
Processor cache type:	Smart Cache
Processor cache:	20 MB
System bus rate:	8 GT/s
Processor manufacturer:	Intel
Processor socket:	LGA 2011-v3
Motherboard chipset:	Intel C610
Processor boost frequency:	3.2 GHz
Processor lithography:	22 nm
Processor threads:	16
Processor operating modes:	64-bit
Stepping:	R2
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Haswell
Tcase:	72.1 °C
Maximum internal memory supported by processor:	768 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866 MHz
Memory bandwidth supported by processor (max):	59 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
Processor code:	SR206
Scalability:	2S
Physical Address Extension (PAE):	Y
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:	32 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	256 GB
Memory slots:	16x DIMM
Memory clock speed:	2133 MHz
Memory layout (slots x size):	2 x 16 GB

## Storage

Hard drive interface:	Serial ATA,Serial Attached SCSI (SAS)
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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

## Design

Chassis type: Rack (2U)  
Optical drive type: N

## 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): Y  
Intel® My WiFi Technology (Intel® MWT): N  
Intel® Turbo Boost Technology: 2.0  
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: 83356

## Power

Redundant power supply (RPS) support: Y  
Power supply: 800 W  
Number of redundant power supplies installed: 1  
Number of main power supplies: 1

## Weight & dimensions

Width: 445.4 mm  
Depth: 607 mm  
Height: 87.5 mm  
Weight: 19190 g

## Other features

Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

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