

# Hewlett Packard Enterprise ProLiant DL180 Gen9 server (860104-425)

Intel Xeon E5-2620 v4 (2.1GHz, 20MB), 16GB (1 x 16GB) DDR4 SDRAM, LFF HDD, Smart Array P840/4GB FBWC, 900W PS



## Price details:

Price excl. VAT: 1,733.53 €

Eco fees: 0.00 €

VAT 21 %: 364.04 €

## Product details:

Product code: 860104-425

EAN: 4549821009893

Manufacturer: Hewlett Packard Enterprise

**2,097.57 €**

\* VAT included

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## English

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.

## Features

### 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 1 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 12Gb/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% 2 performance gain.
- 80 PLUS certified entry-level redundant HP Power Supplies provide up to 94% 1 efficiency which combined with HP power management features leads to reduction of power consumption.
- Improved ambient temperature standard with ASHRAE A3 and A4 3 helps customers reduce cooling expense.
- ENERGY STAR® 1 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 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.

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## Main specifications:

### Processor

Processor frequency:	2.1 GHz
Processor family:	Intel Xeon E5 v4
Processor model:	E5-2620V4
Processor cores:	8
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	20 MB
System bus rate:	8 GT/s
Maximum number of SMP processors:	2
Processor socket:	LGA 2011-v3
Motherboard chipset:	Intel C610
Processor boost frequency:	3 GHz
Processor lithography:	14 nm
Processor threads:	16
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:	512 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866,2133 MHz
Memory bandwidth supported by processor (max):	60.3 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:	SR2R6
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:	16 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	512 GB
Memory slots:	16 DIMM
Memory clock speed:	2400 MHz
ECC:	Y
Memory layout (slots x size):	1 x 16 GB

### Storage

Hard drive size:	3.5 "
Hard drive interface:	Serial ATA,Serial Attached SCSI (SAS)
RAID support:	Y
Maximum storage capacity:	32 TB

### 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
<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):	N
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel® Hyper Threading Technology (Intel® HTTechnology):	Y
Intel® Turbo Boost Technology:	2.0
Intel® vPro®#8482; 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:	92986
<b>Power</b>	
Redundant power supply (RPS) support:	Y
Power supply:	900 W
Number of redundant power supplies supported:	2
Number of redundant power supplies installed:	1
<b>Certificates</b>	
Energy Star certified:	N
<b>Weight &amp; dimensions</b>	
Width:	445.5 mm
Depth:	607 mm
Height:	87.5 mm
<b>Other features</b>	
Graphics adapter:	G200eH2
Graphics adapter family:	Matrox

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