

# Hewlett Packard Enterprise ProLiant DL80 server (778640-B21)

Intel Xeon E5-2603 v3 (15M Cache, 1.60 GHz), 4GB (1x4GB) RDIMM, 550 W, 2U



## Price details:

Price excl. VAT: 1,346.12 €

Eco fees: 0.00 €

VAT 21 %: 282.69 €

## Product details:

Product code: 778640-B21

EAN: 0888793196885

Manufacturer: Hewlett Packard Enterprise

**1,628.81 €**

\* 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, 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 and back-up due to the 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 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 Smart Update Manager (HP SUM) and Service Pack for ProLiant (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 helps customers reduce cooling expense.

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#### Main specifications:

##### Processor

Processor frequency:	1.6 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2603V3
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 socket:	LGA 2011-v3
Processor lithography:	22 nm
Processor threads:	6
Processor operating modes:	64-bit
Stepping:	R2
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Haswell
Tcase:	72.8 °C
Maximum internal memory supported by processor:	256 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600 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):	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:	4 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	256 GB
Memory slots:	8
Memory clock speed:	2133 MHz
Memory layout (slots x size):	1 x 4 GB

##### Networking

Ethernet LAN:	Y
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##### Ports & interfaces

USB 2.0 ports quantity:	1
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	3

##### Expansion slots

PCI Express slots version: 3.0

## Design

Chassis type: Rack (2U)

## 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® HTT): 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® 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: 83349

## Power

Redundant power supply (RPS) support: Y  
Power supply: 550 W

## Weight & dimensions

Width: 434.7 mm  
Depth: 634.3 mm  
Height: 87.6 mm  
Weight: 20000 g

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