

# Hewlett Packard Enterprise ProLiant DL120 Gen9 server (830011-B21)

Intel Xeon E5-2603 v4 (1.7GHz, 15MB), 8GB (1 x 8GB) DDR4, 4LFF SATA, Dynamic Smart Array B140i, 550W PS



## Price details:

Price excl. VAT: 1,335.43 €

Eco fees: 0.00 €

VAT 21 %: 280.44 €

## Product details:

Product code: 830011-B21

EAN: 0889894273819

Manufacturer: Hewlett Packard Enterprise

**1,615.87 €**

\* VAT included

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Do you need a dense server solution for virtualization, but have difficulty limiting your licensing costs? The HPE ProLiant DL120 Gen9 Server, an enterprise class design packed in a dense 1U/1-socket form factor. Offering a combination of performance, redundancy, expandability as compared to the traditional 1P servers, making the DL120 Gen9 Server ideal for small and midsize businesses and Enterprise customers and the growing needs of running virtualization and general purpose workloads.

## Features

### Combination of Performance and Expandability in a Dense Form Factor

- The HP ProLiant DL120 Gen9 Server supports one (1) Intel® Xeon® processor E5-2600 v3 processors offering improved performance and efficiency in a dense 1U chassis.
- HP SmartMemory prevents data loss and downtime with enhanced error handling. Support of up to 256 GB max capacity with speeds up to 2133 MHz with up to 14% 1performance gain.
- 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 four (4) LFF and eight (8) SFF 12 Gb/s HDD/SSD options.
- Up to three (3) PCIe 3.0 riser slots to support a GPU and networking cards offering increased IO bandwidth and seamless expandability.

### Cost optimized 1-socket solution for enterprise class workloads

- The HP ProLiant DL120 Gen9 Server helps reduce virtualization licensing costs with its 1U/1-socket cost optimized design for SMBs and service providers.
- Embedded with 2x1GbE, up to three (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.
- 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 2support helps customers reduce cooling expense.

### Agile Infrastructure Management for Accelerating IT Service Delivery

- With HP ProLiant DL120 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 2helps customers reduce cooling expense.

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Main specifications:

Processor

Processor frequency:	1.7 GHz
Processor family:	Intel Xeon E5 v4
Processor model:	E5-2603V4
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
Motherboard chipset:	Intel C610
Processor lithography:	14 nm
Processor threads:	6
Processor operating modes:	64-bit
Stepping:	R0
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Broadwell
Tcase:	73 °C
Maximum internal memory supported by processor:	506 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:	SR2P0
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 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:	0,1,5
Hot-Plug support:	N
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
<b>Expansion slots</b>	
PCI Express slots version:	3.0
<b>Design</b>	
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):	N
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:	92993
<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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