

# Hewlett Packard Enterprise ProLiant BL460c Gen9 server (813196-B21)

2x Intel Xeon E5-2660 v4 (2.0GHz, 35MB), 128GB (4 x 32GB) LDIMM, Smart Array P244br, Blade



## Price details:

Price excl. VAT: 8,181.75 €

Eco fees: 0.00 €

VAT 21 %: 1,718.17 €

## Product details:

Product code: 813196-B21

EAN: 0889296445807

Manufacturer: Hewlett Packard Enterprise

**9,899.92 €**

\* VAT included

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Are you looking for the right server blade to be your data center workhorse for your demanding core IT and virtualization workloads? Designed for a wide range of configuration and deployment options, the HPE ProLiant BL460c Gen9 Server Blade provides the flexibility to optimize your core IT applications with right-sized storage for the right workload for a lower TCO. All of this is managed by HPE OneView, the converged management platform that accelerates IT service delivery and boosts business performance.

The BL460c Gen9 Server Blade now offers Intel® Xeon® E5-2600 v4 processors with up to 21% bin to bin performance gain over the previous generation, plus 2400MT/s HPE DDR4 SmartMemory offering up to 33% higher throughput. Additional support includes tiered storage controller options, 12Gb/s SAS, 20Gb FlexibleLOMs, support for M.2, NVMe, and HPE ProLiant Persistent Memory options.

## Features

### Superior Value Across Different Workloads

- The HPE ProLiant BL460c Gen9 Server Blade delivers the right performance, scalability, and economics for the converged data center in the new era of compute at lower costs, faster time to value with recent innovations.
- Provides the flexibility to optimize your core IT applications, with right-sized storage for the right workload lowering TCO, all managed by HPE OneView the converged management platform that accelerates IT service delivery and boosts business performance.

### Increased Performance in the Data Center

- The HPE ProLiant BL460c Gen9 Server Blade delivers up to 21% performance increases with Intel Xeon E5-2600 v4 processors.
- HPE DDR4 Smart Memory at 2400 MT/s (up to 2 TB): delivers up to a 33% throughput increase compared to competition 2 and 35% lower power consumption than 1.5v DDR3 at the same bin speed.
- High-end workload acceleration with NVMe SSDs, providing 7x better random performance and 4.5x better sequential performance 3.
- Persistent memory options providing faster transactions for data management and analytics workloads.

### More Versatile Than Ever Before

- The HPE ProLiant BL460c Gen9 Server Blade delivers flexible embedded storage controller options (HPE Smart Array P244br, HPE H244br Smart Host Bus Adapter, or the HPE Dynamic Smart Array B140i Controller) and pass through cards (NVMe) to enable the improved TCO for a variety of workloads.
- Every BL460c Gen9 Server Blade includes USB 3.0, optional dual micro-SD, and optional 64/120 GB M.2 support for a variety of system boot options.
- Both Unified Extensible Firmware Interface (UEFI) and Legacy BIOS modes available for increased configuration and deployment versatility.

### Transforming Business Economics by Accelerating Service Delivery

- HPE OneView provides the Power of One-a single comprehensive view of the data center, managing hardware, software, firmware, and drivers.
- HPE Integrated Lights-out (iLO) software features server lifecycle management advancements including iLO

Federation, which remotely manages groups of servers at scale with built-in rapid discovery of all iLOs, group configurations, group health status, and ability to determine iLO licenses.

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Main specifications:

Processor

Processor frequency:	2 GHz
Processor family:	Intel Xeon E5 v4
Processor model:	E5-2660V4
Processor cores:	14
Number of processors installed:	2
Processor cache type:	Smart Cache
Processor cache:	35 MB
System bus rate:	9.6 GT/s
Maximum number of SMP processors:	2
Processor socket:	LGA 2011-v3
Motherboard chipset:	Intel C610
Processor boost frequency:	3.2 GHz
Processor lithography:	14 nm
Processor threads:	24
Processor operating modes:	64-bit
Stepping:	M0
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Broadwell
Tcase:	79 °C
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866,2133,2400 MHz
Memory bandwidth supported by processor (max):	76.8 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 45 mm
Supported instruction sets:	AVX 2.0
Processor code:	SR2N4
Scalability:	2S
Physical Address Extension (PAE):	Y
Physical Address Extension (PAE):	46 bit
Embedded options available:	N
Thermal Design Power (TDP):	105 W
Processor series:	Intel Xeon E5-2600 v4
Conflict Free processor:	Y

Memory

Internal memory:	128 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):	4 x 32 GB

Storage

Hard drive size:	2.5 "
Hard drive interface:	Serial ATA,Serial Attached SCSI (SAS)
RAID support:	Y
Maximum storage capacity:	4 TB
RAID levels:	0,1
Hot-Plug support:	Y
Number of hard drives supported:	2

Networking

Ethernet LAN:	Y
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Ethernet interface type:	10 Gigabit Ethernet
<b>Ports &amp; interfaces</b>	
Ethernet LAN (RJ-45) ports:	2
<b>Expansion slots</b>	
PCI Express slots version:	3.0
<b>Design</b>	
Chassis type:	Blade
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)Canonical UbuntuOracle 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):	Y
Intel® Turbo Boost Technology:	2.0
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:	91772
<b>Power</b>	
Redundant power supply (RPS) support:	N
<b>Certificates</b>	
Energy Star certified:	Y
<b>Weight &amp; dimensions</b>	
Width:	55.4 mm
Depth:	517.6 mm
Height:	180.7 mm
Weight:	6330 g
<b>Other features</b>	
Graphics adapter:	G200eh
Graphics adapter family:	Matrox

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