

# Hewlett Packard Enterprise ProLiant BL460c Gen9 server (727031-B21)

2x Intel Xeon E5-2670 v3 (2.3GHz, 30MB), 128GB (4 x 32GB) LDIMM, Smart Array P244br, Blade



## Price details:

Price excl. VAT: 9,756.10 €

Eco fees: 0.00 €

VAT 21 %: 2,048.78 €

## Product details:

Product code: 727031-B21

EAN: 0888793847398

Manufacturer: Hewlett Packard Enterprise

**11,804.88 €**

\* 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 HP 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 HP OneView, 1 the converged management platform that accelerates IT service delivery and boosts business performance. The BL460c Gen9 Server Blade uses Intel® Xeon® E5-2600 v3 processors with up to 70% performance 2 gain over the previous generation, plus enhanced HP DDR4 SmartMemory offering up to 33% performance 3 increase.

Flexible storage controller options additional support includes an optional 12 Gb/s SAS controller, 20 Gb FlexibleLOM NICs, and USB 3.0 on the internal connector.

## Features

### Superior Value Across Different Workloads

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

### Increased Performance in the Data Center

- The HP ProLiant BL460c Gen9 Server Blade delivers up to 70% performance increases with Intel® Xeon® E5-2600 v3 processors.
- HP DDR4 SmartMemory at 2133 MHz (up to 512 GB): +14% - 33% throughput compared to competition and 35% lower power consumption than 1.5v DDR3 at the same bin speed.
- Optional HP Smart Array P244br storage controller with 1 GB Flash-Write Back Cache (FWBC) DDR3 at 1866 MHz improves storage performance for demanding workloads.

### More Versatile Than Ever Before

- The HP ProLiant BL460c Gen9 Server Blade delivers a flexible embedded storage controller options (HP Smart Array P244br, HP H244br Smart Host Bus Adapter, or the HP Dynamic Smart Array B140i Controller) for increased deployment flexibility.
- Every BL460c Gen9 Server Blade includes USB 3.0, future optional dual Micro-SD, and future optional M.2 support for configuration variety of system boot options at the best price.
- Both Unified Extensible Firmware Interface (UEFI) and Legacy BIOS modes available for increased configuration and deployment versatility.

### Transforming Business Economics by Accelerating Service Delivery

- HP OneView provides the Power of One-a single comprehensive view of the data center, managing hardware, software, firmware, and drivers.
- HP 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:	2.3 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2670V3
Processor cores:	12
Number of processors installed:	2
Processor cache type:	Smart Cache
Processor cache:	30 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:	3.1 GHz
Processor lithography:	22 nm
Processor threads:	24
Processor operating modes:	64-bit
Stepping:	M1
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Haswell
Tcase:	84.5 °C
Maximum internal memory supported by processor:	768 GB
Memory types supported by processor:	DDR4-SDRAM
Memory clock speeds supported by processor:	1600,1866,2133 MHz
Memory bandwidth supported by processor (max):	68 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):	120 W
Processor series:	Intel Xeon E5-2600 v3
Conflict Free processor:	N

##### Memory

Internal memory:	128 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	512 GB
Memory slots:	16 DIMM
Memory clock speed:	2133 MHz
ECC:	Y

##### 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
Number of hard drives supported:	2

##### Networking

Ethernet LAN:	Y
Ethernet interface type:	10 Gigabit

##### Ports & interfaces

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 SolarisVMwareCitrix XenServer
<b>Processor special features</b>	
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:	81709
<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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