

# Hewlett Packard Enterprise ProLiant BL460c Gen8 server (666162-B21)

Intel Xeon E5-2609 (2.4GHz, 10MB), 16GB DDR3, Smart Array P220i/512MB FBWC



## Price details:

Price excl. VAT: 3,299.06 €

Eco fees: 0.37 €

VAT 21 %: 692.88 €

## Product details:

Product code: 666162-B21

EAN: 0886112066352

Manufacturer: Hewlett Packard Enterprise

**3,992.31 €**

\* VAT included

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The HP ProLiant BL460c Gen8 is a dual-socket server blade engineered for unprecedented performance, enhanced flexibility and simplified management which makes it the standard for data center computing. The ProLiant BL460c Gen8 Server packs in more performance with a 33% increase in memory DIMM count, Intel® Xeon® E5-2600 Processor with added support for 130W processors, faster I/O slots and enhanced Smart Array Controller that now ships with 512MB Flash Back Write Cache standard. In addition, it is also more flexible with the HP FlexibleLOM which provides the ability to customize server networking today and the ability to meet future needs without overhauling server hardware.

## Features

### Enhanced Processor Performance and Capabilities

- The latest 2-socket Intel® Xeon® E5-2600 Processor Family providing more performance and up to 8 cores with the same TDP
- Support for up to 130 watts per processor providing a wider choice of processor options and greater performance
- HP Smart Socket Guide provides quick and precise processor installation or upgrade
- Intel® Turbo Boost 2, Intel® AVX, and enhanced Intel® QPI link speed provide more performance when needed, accelerate floating point intensive applications, and provide faster connections throughout the server

### Improved Memory Capacity, Performance, and Power

- 16 DIMM slots provide up to 512GB of memory (33% increase over the previous generation)
- The four memory channels per processor provide no reduction in memory capacity or speed as DIMMs are added
- Operate RDIMMs at low power (1.35V LVDIMMs) without reducing performance, saving an estimated 15-25% wattage per DIMM
- Lower cost UDIMM capacity has increased to 128GB (nearly three times that of the previous generation)
- Choice of operating at a high performance mode (1.5V RDIMMs at 1600MHz), in a power saving, standard performance mode (1.35V LRDIMM/LVRDIMMs at 1333MHz), or a low cost mode (1.35V UDIMMs at 1333MHz)

### The New HP iLO Management Engine

- HP iLO Management Engine is a complete set of embedded management features supporting the complete lifecycle of the server, from initial deployment, through ongoing management, to service alerting and remote support. HP iLO Management Engine comes standard on all HP ProLiant Gen8 Servers
- The new HP iLO simplifies server setup, health monitoring, power and thermal control, and promotes remote administration. Access, deploy, and manage your server anytime from anywhere with your Smartphone device
- Now with HP Agentless Management, the base hardware monitoring and alerting capability of the BL460c Gen8 are built into the system (running on the HP iLO chipset) and starts working the moment that a power cord and an Ethernet cable is connected to the server
- The new HP Active Health System monitors and records changes in the server hardware and system configuration, it assists in diagnosing problems and delivering rapid resolution when system failures occur
- HP FlexibleLOM provides the ability to customize server networking today and the ability to meet future needs without overhauling server hardware. Provides choice of bandwidth and fabric (Ethernet, FCoE, InfiniBand), supports WOL, and provides a shared iLO port for ease of use.

## Main specifications:

### Processor

Processor frequency:	2.4 GHz
Processor family:	Intel Xeon E5
Processor model:	E5-2609
Processor cores:	4
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	10 MB
System bus rate:	6.4 GT/s
Maximum number of SMP processors:	2
Processor socket:	LGA 2011 (Socket R)
Motherboard chipset:	Intel C600
Processor boost frequency:	2.50 GHz
Processor lithography:	32 nm
Processor threads:	4
Processor operating modes:	64-bit
Stepping:	M1
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Sandy Bridge EP
Tcase:	70 °C
Maximum internal memory supported by processor:	650 GB
Memory types supported by processor:	DDR3-SDRAM
Memory clock speeds supported by processor:	800,1066 MHz
Memory bandwidth supported by processor (max):	34.1 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
Scalability:	2S
Physical Address Extension (PAE):	46 bit
Embedded options available:	N
Graphics & IMC lithography:	32 nm
Thermal Design Power (TDP):	80 W
CPU multiplier (bus/core ratio):	24
Processor series:	Intel Xeon E5-2600
Conflict Free processor:	N

### Memory

Internal memory:	16 GB
Internal memory type:	DDR3-SDRAM
Memory slots:	16 DIMM
Memory clock speed:	1333 MHz
ECC:	Y
Memory layout (slots x size):	4 x 4 GB

### Storage

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

### Networking

Ethernet LAN:	Y
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### Ports & interfaces

Ethernet LAN (RJ-45) ports:	2
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### Expansion slots

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)Oracle 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):	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:	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 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:	64588
<b>Power</b>	
Redundant power supply (RPS) support:	N
<b>Weight &amp; dimensions</b>	
Width:	55.4 mm
Depth:	517.6 mm
Height:	180.7 mm
Weight:	6330 g
<b>Other features</b>	
Disk array controller:	Smart Array P220i
Graphics adapter:	G200
Graphics adapter family:	Matrox

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