

# Hewlett Packard Enterprise ProLiant DL360p Gen8 server (646900R-421)

Intel Xeon E5-2603 (1.8GHz, 10MB), 4GB PC3-10600R, Smart Array P420i/ZM, 460W PS



## Price details:

Price excl. VAT: 2,209.28 €

Eco fees: 0.37 €

VAT 21 %: 464.03 €

## Product details:

Product code: 646900R-421

EAN: 0887111382047

Manufacturer: Hewlett Packard Enterprise

**2,673.68 €**

\* VAT included

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An Enterprise class server with industry leading performance and efficiency. The HP ProLiant DL360p Gen8 Server series provides industry leading two-socket performance in a space saving 1U size - ideal for any cloud solution.

## Features

### Redefining the Customer Experience

- User-inspired design features that anticipate your needs and virtually eliminates common issues that result in downtime include HP SmartDrive carriers, Smart Socket guide, "Snap and Go" rails, flat cabling design, and easy tool-less access to all customer serviceable components.
- Integrated Lifecycle Automation, an industry first, provides embedded provisioning tools, Active Health monitoring, and system maintenance capabilities standard on all ProLiant Gen8 servers and built using the industry-leading HP iLO Management Engine.
- Dynamic Workload Acceleration delivers smarter data protection for ever-increasing drive capacities, real-time workload-aware analysis to optimize and adapt storage performance and 6X faster solid state performance versus previous generation.
- Automated Energy Optimization improves the server's ability to analyze and respond to "sea of sensors" data within the server as well as self-identify location and inventory through Insight Control for maximum workload optimization across the entire data center.

### Intuitive, Configurable Management System Eliminates Tedious, Time-Consuming Tasks

- Intelligent Provisioning takes strengths from products like SmartStart, Smart Update Manager, and ProLiant Support Packs, enhances them with the latest ease-of-use features and places them, where you can use them instantly, on the system board.
- Agentless hardware monitoring and alerting capabilities are built into the server with HP Agentless Management (runs on iLO 4 chipset). Starts working the moment that a power cord and an Ethernet cable are connected to the server.
- HP Active Health System provides 24x7 continuous health monitoring, 100% configuration change logging, and faster problem analysis with HP Service and Support. Start problem analysis 5x faster using unified diagnostic tools with secure data transfer to HP Service and Support.

### Improved Application, Storage and I/O Performance

- HP SmartMemory which has unmatched performance, quality and manageability advantages above industry standards memory. With support for RDIMM, UDIMM, and LRDIMM with up to 768GB capacity and 128GB capacity at 1600MHz. HP SmartMemory delivers up to 200% more memory capacity over previous generations.
- New embedded Smart Array RAID controller and support for HP Smart Storage including PCIe 3.0, HP SmartDrives, and HP Flash Backed Write Cache with capacity up to 2GB. Choice of up to eight 2.5-inch SFF or four 3.5-inch LFF SAS, SATA, SSD drives with optical media.
- 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 (1G and 10G) and fabric (Ethernet, FCoE, InfiniBand), supports WOL, and provides a shared iLO port for ease of use.

### Built for Performance, Efficiency and Easier Access

- ENERGY STAR® qualified ProLiant DL360p Gen8 server configurations illustrate HP's continued commitment to helping customers conserve energy and save money.

- New universal tool-free sliding rails are quick to install with quick release levers that allow for fast server access. An ambidextrous cable management arm option also provides cabling flexibility and management for quick access to the server.
- First 3D array of temperature sensors (part of our HP unique Thermal Discovery Services) that helps precisely control server fans to direct cooling, reducing unnecessary fan power.
- First high efficiency HP Platinum Plus common-slot power supplies (460W, 750W, 1200W) that can communicate with our HP Intelligent PDU to insure that redundant supplies are plugged into redundant PDUs.
- Intel® Xeon® E5-2600 Processor Family offers higher performance, power efficiency, and more adaptability with Intel QuickPath, Integrated Memory Controller, Turbo Boost, Intelligent Power Technologies and Trusted Execution Technology.

#### Main specifications:

##### Processor

Processor frequency:	1.8 GHz
Processor family:	Intel Xeon E5
Processor model:	E5-2603
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 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:	768 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):	18
Processor series:	Intel Xeon E5-2600
Conflict Free processor:	N

##### Memory

Internal memory:	4 GB
Internal memory type:	DDR3-SDRAM
Maximum internal memory:	768 GB
Memory slots:	24 DIMM
Memory clock speed:	1333 MHz
ECC:	Y
Memory layout (slots x size):	1 x 4 GB

##### Storage

Hard drive size:	2.5 "
Hard drive interface:	Serial ATA,Serial Attached SCSI (SAS)
RAID support:	Y
RAID levels:	0,1,1+0
Number of hard drives supported:	8
Hot-swap:	Y
<b>Networking</b>	
Ethernet LAN:	Y
Cabling technology:	10/100/1000Base-T(X)
<b>Ports &amp; interfaces</b>	
USB 2.0 ports quantity:	6
VGA (D-Sub) ports quantity:	2
Ethernet LAN (RJ-45) ports:	4
Serial ports quantity:	1
<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)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:	64592
<b>Power</b>	
Redundant power supply (RPS) support:	Y
Power supply:	460 W
Number of main power supplies:	1
<b>Certificates</b>	
Energy Star certified:	Y
<b>Weight &amp; dimensions</b>	

Width:	434.7 mm
Depth:	698.5 mm
Height:	43.2 mm
Weight:	14510 g

#### Other features

Disk array controller:	Smart Array P420i
Graphics adapter:	G200
Graphics adapter family:	Matrox

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