

# Hewlett Packard Enterprise ProLiant ML350 Gen9 server (765822-421)

2x Intel Xeon E5-2650 v3 (2.3GHz, 25MB), 32GB (2 x 16GB) RDIMM, 8 SFF HDD, Smart Array P440ar/2GB FBWC, 2x 800W PS



## Price details:

Price excl. VAT: 5,821.96 €

Eco fees: 0.08 €

VAT 21 %: 1,222.63 €

## Product details:

Product code: 765822-421

EAN: 0888182986059

Manufacturer: Hewlett Packard Enterprise

**7,044.67 €**

\* VAT included

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Do you need to increase your business productivity and improve operations while trying to balance your employees' mobility, security and collaboration needs, all within a limited IT budget? The HP ProLiant ML350 Gen9 Server delivers a class-leading combination of performance, expandability, manageability, reliability and serviceability making it the choice for expanding SMB's, remote offices, and data centers. The ML350 Gen9 Server leverages Intel's latest E5-2600 v3 processors with up to 70% performance gain, plus the latest HP DDR4 SmartMemory offering up to 14% performance increase.

Additional support for 12 Gb/s SAS, Embedded 4x1Gbe NIC with a broad range of graphics and compute options. Manage your HP ProLiant Server in any IT environments by automating the most essential server lifecycle management tasks: deploy, update, monitor, and maintain with ease.

The ML350 Gen9 Server is ideal for infrastructure to mission critical applications, deploy with confidence.

## Features

### Performance with Unmatched Capacity and Reliability

- The HP ProLiant ML350 Gen9 Server supports up to two Intel® Xeon® processor E5-2600 v3 processors offering improved performance.
- HP Smart Array Controllers are designed to maximize 12 Gb/s performance, data availability and storage capacity while providing the flexibility in choice of solutions that are simple to manage.
- Up to 24 DIMM slots of HP DDR4 SmartMemory, helping to prevent data loss and downtime with enhanced error handling while improving workload performance and power efficiency.

### Availability, Expandability and Serviceability - A Winning Combination

- The HP ProLiant ML350 Gen9 Server offers expandability with greater capacity with 8 to 24 LFF, 8 to 48 SFF drive options and Maximum I/O expansion.
- Maximum expansion capacity with 9 PCIe expansion slots, 8 USB ports, 5U Rack conversion, and Power Supply options.
- Embedded 4x1Gbe and choice of HP PCIe standup 1GbE or 10GbE Adapters provide you flexibility of networking bandwidth and fabric so you can adapt and grow to changing business needs.
- Wider GPU support (4) to boost performance in graphic and VDI applications for financial services, education, scientific research, and medical imaging.
- Worldwide availability, service and support with a complete range of carepack offerings from installation to extended support.

### Agile Infrastructure Management for Essential Administration

- The HP ProLiant ML350 Gen9 Server provides powerful converged management capabilities for the infrastructure lifecycle with embedded server management for provisioning, updating and diagnostic support with HP iLO.
- Configure in Unified Extensible Firmware Interface (UEFI) boot mode, provision local and remote with Intelligent Provisioning and Scripting Toolkits.
- Online personalized dashboard for converged infrastructure health monitoring and support management with HP Insight Online.

- Optimize firmware and driver updates and reduce downtime with HP Smart Update, consisting of HP SUM and SPP.

#### Energy Efficiency by Design

- The HP ProLiant ML350 Gen9 Server offers ENERGY STAR® qualified server configurations illustrate the HP continued commitment to helping customers conserve energy and save money.
  - Next generation high efficiency redundant HP Flexible Slot Power Supplies provide up to 94% efficiency (Platinum Plus) and support for HP's Power Discovery Services.
  - Improved ambient temperature standard with ASHRAE A3 and A4 3 helps you reduce cooling costs.
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#### Main specifications:

##### Processor

Processor frequency:	2.3 GHz
Processor family:	Intel Xeon E5 v3
Processor model:	E5-2650V3
Processor cores:	10
Number of processors installed:	2
Processor cache type:	Smart Cache
Processor cache:	25 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 GHz
Processor lithography:	22 nm
Processor threads:	20
Processor operating modes:	64-bit
Stepping:	M1
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	2
Processor codename:	Haswell
Tcase:	78.9 °C
Maximum internal memory supported by processor:	384 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
Processor code:	SR1YA
Scalability:	2S
Physical Address Extension (PAE):	46 bit
Embedded options available:	N
Thermal Design Power (TDP):	105 W
Processor series:	Intel Xeon E5-2600 v3
Conflict Free processor:	N

##### Memory

Internal memory:	32 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	384 GB
Memory slots:	24 DIMM
Memory clock speed:	2133 MHz
ECC:	Y
Memory layout (slots x size):	2 x 16 GB

##### Storage

Hard drive size:	2.5 "
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Hard drive interface:	Serial ATA,Serial Attached SCSI (SAS)
RAID support:	Y
Maximum storage capacity:	96 TB
RAID levels:	0,1,5,10
Number of hard drives supported:	8

#### Networking

Ethernet LAN:	Y
LAN controller:	HP 331i
Ethernet interface type:	Gigabit Ethernet

#### Ports & interfaces

USB 2.0 ports quantity:	4
VGA (D-Sub) ports quantity:	1
Ethernet LAN (RJ-45) ports:	4
Serial ports quantity:	1
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2

#### Expansion slots

PCI Express slots version:	3.0
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#### Design

Chassis type:	Tower (5U)
Optical drive type:	N

#### Performance

Operating system installed:	N
Compatible operating systems:	Microsoft Windows ServerCanonical UbuntuRed Hat Enterprise Linux (RHEL)SUSE Linux Enterprise Server (SLES)VMwareCitrix XenServer

#### Processor special features

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):	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 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:	81705

#### Power

Redundant power supply (RPS) support:	Y
Power supply:	800 W
Number of redundant power supplies installed:	2

#### Certificates

Energy Star certified:	Y
<b>Weight &amp; dimensions</b>	
Width:	219 mm
Depth:	769 mm
Height:	464 mm
Weight:	30000 g
<b>Other features</b>	
Graphics adapter:	G200
Graphics adapter family:	Matrox

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