

HPE Smart Choice DL20 Gen11 E-2434 1P 32G 2LFF EU Svr(P78179-425)

HPE ProLiant DL20 Gen11 E-2434 3.4GHz 4c 1P 32GB-U 2LFF 2x2TB HDD 290W PS EU Server - This HPE pre built server includes the following: - 1x P64339-B21 = HPE 32GB (1x32GB) Dual Rank x8 DDR5-4800 CAS-40-39-39 Unbuffered Standard Memory Kit - 2x 861681-B21 = HPE 2TB 6G 7.2K rpm HPL SATA LFF (3.5in) Low Profile MDL 1yr Warranty Digitally Signed Firmware HDD - 1x P21649-B21 = HPE DL20 Gen10 290W Platinum Power Supply Kit - If you have any questions or additional product requirements, please reach out to our HPE sales team at HPESales@tdsynnex.com.



The HPE ProLiant DL20 Gen11 server is designed to meet the demands of modern businesses, offering a blend of performance, security, and connectivity. Powered by an Intel Xeon E-2436 processor and equipped with 32 GB of DDR5 memory, it delivers the speed and efficiency needed for complex server tasks. Its robust security features, including a TPM security chip and remote management capabilities, ensure your data is protected. With flexible storage options and comprehensive connectivity, including Gigabit Ethernet and a variety of ports, this server is a versatile solution for any business looking to enhance its IT infrastructure.

Key Selling Points

- 6-core Intel Xeon E-2436 processor with speeds up to 5 GHz for high efficiency
- 32 GB of DDR5 SDRAM, expandable to support memory-intensive applications
- 4 Gigabit Ethernet ports for high-speed network connectivity
- Hot-swap 2.5" SSDs for flexible, secure storage solutions
- Trusted Platform Module (TPM) security chip for enhanced data protection

Product Features

- Efficient Performance**
Equipped with a 6-core Intel Xeon E-2436 processor and a clock speed of 2.9 GHz that can turbo up to 5 GHz, the HPE ProLiant DL20 Gen11 delivers reliable and efficient performance for demanding server operations. Its upgradability ensures it can adapt to future workloads.
- Advanced Connectivity**
This server boasts a comprehensive set of connectivity options including 4 Gigabit Ethernet ports powered by a Broadcom BCM5719 controller, ensuring high-speed network connections. Additionally, it features a variety of ports including USB 3.2 Gen 1, DisplayPort, and VGA, catering to diverse connectivity needs.
- Robust Security**
With an embedded Trusted Platform Module (TPM) security chip, the HPE ProLiant DL20 Gen11 offers a secure foundation for your data, protecting against unauthorized access and ensuring data integrity. Integrated Lights-Out 6 remote management further enhances security and management capabilities.
- Flexible Storage Solutions**
Featuring hot-swap 2.5" SSDs and support for up to 4 hot-swap bays, the server provides flexible storage options that can be tailored to meet the needs of any business, ensuring data is stored efficiently and securely.
- High-Capacity Memory**
With 32 GB of DDR5 SDRAM installed and the capability to expand, this server supports memory-intensive applications, ensuring smooth operation and improved data processing speeds for all your business needs.

Main Specifications

Product Description	HPE ProLiant DL20 Gen11 - rack-mountable Xeon E-2434 3.4 GHz - 32 GB - HDD 2 x 2 TB
Type	Server - rack-mountable
Height (Rack Units)	1U
Localisation	Region: Europe
Server Scalability	1-way
Processor	1 x Intel Xeon E-2434 / 3.4 GHz (up to 5 GHz, (Quad-Core)

Cache Memory	12 MB
Cache Per Processor	12 MB
RAM	32 GB (installed) / 128 GB (max) - DDR5 SDRAM - ECC
Storage Controller	SATA (SATA 6Gb/s) (Intel VROC SATA Software RAID)
Server Storage Bays	Hot-swap 3.5"
Hard Drive	2 x HDD 2 TB - SATA
Optical Storage	No optical drive
Graphics Controller	Matrox G200
Video Memory	16 MB
Networking	1GbE
Power	(50/60 Hz)
Power Redundancy	Optional
OS Provided	No operating system
Software Included	HPE iLO Management
Dimensions (WxDxH)	43.46 cm x 38.22 cm x 4.32 cm
Weight	12 kg
Manufacturer Selling Program	HPE Smart Choice
Environmental Standards	ENERGY STAR Qualified
Manufacturer Warranty	Limited warranty - parts and labour - 3 years - on-site - response time: next business day

Extended Specification

General

Type	Server
Product Form Factor	Rack-mountable - 1U
Built-in Devices	Led panel
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Server Scalability	1-way
Hot-Swap Bays Qty	2
Localisation	Region: Europe

Expansion / Connectivity

Bays	2 (total) / 2 (free) x 3.5" LFF
Slots	1 (total) / 1 (free) x PCIe 5.0 x16 - half-length, full-height (x16 mode) ¦ 1 (total) / 1 (free) x Open Compute Project mezzanine (OCP) 3.0 (external)
Interfaces	1 x HPE iLO - Type A (service port) ¦ 5 x USB 3.2 Gen 1x1 - Type A ¦ 2 x USB 3.2 Gen 2x1 (2 internal) ¦ 1 x DisplayPort ¦ 1 x VGA ¦ 4 x LAN (Gigabit Ethernet) - RJ-45

Manufacturer Warranty

Service & Support	Limited warranty - parts and labour - 3 years - on-site - response time: next business day
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RAM

Installed Size	32 GB (installed) / 128 GB (max)
Technology	DDR5 SDRAM - ECC
Effective Memory Speed	2400 MHz
Rated Memory Speed	2400 MHz
Form Factor	DIMM 288-pin
Slots	4 (Total) / 3 (empty)
Features	HPE Standard Memory, unbuffered

Configuration Features	1 x 32 GB
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Networking

Ethernet Ports	4 x Gigabit Ethernet
Ethernet Controller	Broadcom BCM5719
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Remote Management Protocol	IPMI 2.0, SNMP 3
Features	ACPI support, PXE support, Wake on LAN (WoL)

Miscellaneous

Included Accessories	3 high performance non-hot plug and non-redundant fans
Theft/Intrusion Protection	Security lock slot (cable lock sold separately), padlock eye
Security Slot Type	Kensington security slot
Compliant Standards	ACPI 6.3, PCIe 5.0, SMBIOS 3.2, UEFI 2.9, Redfish API, AES, Triple DES, TLS v1.2, ASHRAE Class A4, ASHRAE Class A3, Active Directory v1.0, PCI DSS, FIPS 140-2, IPv6 Ready, WEEE 2002/95/EC, EU Lot 9
Manufacturer Selling Program	HPE Smart Choice

Power

Device Type	Power supply - hot-plug
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Installed Qty	1
Max Supported Qty	2
Voltage Required	AC 100-120/200-240 V (50/60 Hz)
Power Provided	290 Watt

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	8 - 90% RH (non-condensing)

Storage Controller

Type	1 x SATA
Controller Interface Type	SATA 6Gb/s
Storage Controller Name	Intel VROC SATA Software RAID
RAID Level	RAID 1, RAID 0, RAID 5, RAID 10

Cache Memory

Installed Size	12 MB
Cache Per Processor	12 MB

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	No operating system
OS Certified	Microsoft Windows Server, VMware ESXi, Red Hat Enterprise Linux (RHEL) 7.3 and higher (not 8.x), SUSE Linux Enterprise Server, Canonical Ubuntu
Software	HPE iLO Management

Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	Matrox G200
Video Memory	16 MB
Video Interfaces	DisplayPort, VGA

Hard Drive

Type	HDD
Capacity	2 x 2 TB
Interface Type	SATA

Dimensions & Weight

Width	43.46 cm
Depth	38.22 cm
Height	4.32 cm
Weight	12 kg

Processor / Chipset

CPU	Intel Xeon E-2434
Clock Speed	3.4 GHz
Max Turbo Speed	5 GHz
Number of Cores	Quad-Core
CPU Qty	1
Max CPU Qty	1
CPU Upgradability	Upgradable
Chipset Type	Intel C262

Sustainability Information

ENERGY STAR Certified	Yes
ENERGY STAR Version	4.0

What's in the box

- HPE ProLiant DL20 Gen11
- 3 high performance non-hot plug and non-redundant fans

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