

HPE Smart Choice DL320 G11 4510 2x32G 8SFF SSD EU Svr(P80510-425)

HPE ProLiant DL320 Gen11 - Server - rack-mountable 1U - 2-way - 1 x Xeon Silver 4510 / up to 4.1 GHz - RAM 64 GB - SATA/SAS/NVMe - hot-swap 2.5" bay(s) - SSD 2 x 480 GB - Gigabit Ethernet - no OS - monitor: none - Smart Choice



Do you need to efficiently expand or refresh your IT infrastructure to propel the business? Adaptable to diverse workloads and environments, the compact 1U 1P HPE ProLiant DL320 Gen11 delivers enhanced performance with the right balance of expandability and density. Designed for supreme versatility and resiliency, the HPE ProLiant DL320 Gen11 is ideal for IT infrastructure, either physical, virtual, or containerized.

The HPE ProLiant DL320 Gen11 supports the Intel Xeon, plus 4800 MT/s HPE DDR5 Smart Memory. Introducing PCIe Gen5 and Intel Software Guard Extensions (SGX) support on the single socket segment, the HPE ProLiant DL320 Gen11 delivers premium compute, memory, I/O, and security capabilities for customers focused on performance at 1P economics. DL320 Gen11 is an excellent choice for daily business and workloads in Data Management, Virtualization, Content Delivery Network (CDN), Intelligent Video Analytics (IVA), General Compute, Data Collection, Software Defined Storage, Software Defined Compute, Cold Storage, Compute Storage, Edge AI, and Virtual Desktop Infrastructure (VDI).

Key Selling Points

- 12-core Xeon Silver processor for high-speed performance
- Supports RAID 0, 1, 10, 5, 50, and 60 for versatile storage configurations
- 16 GB DDR5 SDRAM with HPE SmartMemory for enhanced processing speed
- Hot-plug power supply with an option for an additional unit for redundancy
- Dual Gigabit Ethernet ports and HPE iLO for comprehensive connectivity and remote management

Product Features

- Advanced performance**
Equipped with a 12-core Xeon Silver processor and a clock speed of 2 GHz, boosting up to 3.9 GHz, this server delivers reliable and high-speed performance for demanding applications.
- Robust storage options**
With 8 hot-swap bays and support for RAID 0, 1, 10, 5, 50, and 60 configurations, the HPE ProLiant DL320 Gen11 offers flexible and secure storage solutions, ensuring data integrity and performance.
- High-speed memory**
Features 16 GB of DDR5 SDRAM with an 8-channel memory architecture and HPE SmartMemory technology, enhancing data processing speeds and system reliability.
- Efficient power management**
The server includes a hot-plug power supply with the capability to support an additional unit, ensuring uninterrupted power and operational efficiency.
- Comprehensive connectivity**
Offers a variety of interface options including HPE iLO for remote management, USB 3.2 Gen 1, VGA, and dual Gigabit Ethernet ports, facilitating easy integration and management.

Main Specifications

Product Description	HPE ProLiant DL320 Gen11 - rack-mountable Xeon Silver 4510 2.4 GHz - 64 GB - SSD 2 x 480 GB
Type	Server - rack-mountable
Height (Rack Units)	1U
Localisation	Region: Europe
Server Scalability	2-way
Processor	1 x Intel Xeon Silver 4510 / 2.4 GHz (up to 4.1 GHz, (12-core)
Cache Memory	30 MB L3 Cache
Cache Per Processor	30 MB
RAM	64 GB (installed) / 2.04 TB (max) - DDR5 SDRAM - Advanced ECC

Storage Controller	RAID (Serial ATA-600 / SAS 3.0 / PCI Express (NVMe)) - OCP (HPE MR408i-o Gen11 SPDM)
Server Storage Bays	Hot-swap 2.5"
Hard Drive	2 x SSD 480 GB - SATA 6Gb/s
Optical Storage	No optical drive
Video Memory	16 MB
Networking	1GbE
Power	AC 120/230 V
Power Redundancy	Yes
OS Provided	No operating system
Software Included	HPE iLO Advanced, HPE OneView Standard (free download), HPE iLO Standard with Intelligent Provisioning
Dimensions (WxDxH)	43.46 cm x 60.51 cm x 4.28 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

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	2-way
Hot-Swap Bays Qty	8
Localisation	Region: Europe

Expansion / Connectivity

Bays	8 (total) / 6 (free) x hot-swap 2.5" SFF
Slots	2 (total) / 2 (free) x PCIe 5.0 x16 - full-length, full-height (x16 mode) 1 (total) / 1 (free) x PCIe 5.0 x16 / Open Compute Project mezzanine (OCP) 3.0
Interfaces	1 x HPE iLO (1 in front) (service port) 3 x USB 3.2 Gen 1 (1 front, 2 rear) 1 x VGA (1 rear) 2 x LAN (Gigabit Ethernet) (2 rear)

Manufacturer Warranty

Service & Support	Limited warranty - parts and labour - 3 years - on-site
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RAM

Installed Size	64 GB (installed) / 2.04 TB (max)
Technology	DDR5 SDRAM - Advanced ECC
Effective Memory Speed	2800 MHz
Rated Memory Speed	2800 MHz
Form Factor	DIMM 288-pin
Slots	16 (Total) / 14 (empty)
Features	Registered, HPE SmartMemory, slots 9 - 16 are available in two-processor configuration only
Configuration Features	2 x 32 GB

Networking

Ethernet Ports	2 x Gigabit Ethernet
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Ethernet Controller	Broadcom BCM5720
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Remote Management Protocol	IPMI 2.0, SNMP 3
Remote Management Controller	Integrated Lights-Out 6
Features	ACPI support, PXE support, Wake on LAN (WoL)

Miscellaneous

Included Accessories	7 x standard fans
Compliant Standards	ACPI 6.3, PCIe 5.0, SMBIOS 3.2, Redfish API, AES, Triple DES, TLS v1.2, ASHRAE Class A4, ASHRAE Class A3, WEEE 2002/95/EC, DMTF, Active Directory v1.0, PCI DSS, FIPS 140-2, IPv6 Ready, UEFI 2.7
Manufacturer Selling Program	HPE Smart Choice

Power

Device Type	Power supply - hot-plug
Power Redundancy	Yes
Power Redundancy Scheme	1+1
Installed Qty	2
Max Supported Qty	2
Voltage Required	AC 120/230 V
Power Provided	1000 Watt
80 PLUS Certification	80 PLUS Titanium

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 RAID - OCP
Controller Interface Type	Serial ATA-600 / SAS 3.0 / PCI Express (NVMe)
Storage Controller Name	HPE MR408i-o Gen11 SPDM
Channel Qty	8
RAID Level	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, RAID 50, RAID 60
Buffer Size	4 GB

Cache Memory

Installed Size	L3 Cache - 30 MB
Cache Per Processor	30 MB

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	No operating system
OS Certified	VMware ESX, Windows, Linux
Software	HPE iLO Advanced, HPE OneView Standard (free download), HPE iLO Standard with Intelligent Provisioning

Monitor

Monitor Type	None.
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Graphics Controller

Video Memory	16 MB
Video Interfaces	VGA

Hard Drive

Type	SSD
Capacity	2 x 480 GB
Interface Type	SATA 6Gb/s
Features	Read Intensive, basic carrier, HPE Multi Vendor

Dimensions & Weight

Width	43.46 cm
Depth	60.51 cm
Height	4.28 cm
Weight	12 kg

Processor / Chipset

CPU	Intel Xeon Silver 4510
Clock Speed	2.4 GHz
Max Turbo Speed	4.1 GHz
Number of Cores	12-core
CPU Qty	1
Max CPU Qty	2
CPU Upgradability	Upgradable
Chipset Type	Intel C741

Sustainability Information

ENERGY STAR Certified	Yes
ENERGY STAR Version	4.0

What's in the box

HPE ProLiant DL320 Gen11
7 x standard fans

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet