

**HPE Smart Choice DL320 G11 4514Y 64G 8SFF EU Svr(P77243-425)**

**HPE ProLiant DL320 Gen11 4514Y 2.0GHz 16c 64GB-R 8SFF MR408i-o 2x480GB SATA SSD 2x1000W PS EU Server - This HPE pre built server includes the following: - 2x P64706-B21 = HPE 32GB (1x32GB) Dual Rank x8 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit - 2x P40497-B21 = HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD - 2x P03178-B21 = HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit - If you have any questions or additional product requirements, please reach out to our HPE sales team at [HPESales@tdsynnex.com](mailto:HPESales@tdsynnex.com).**



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 4514Y 2 GHz - 64 GB - SSD 2 x 480 GB |
| Type                | Server - rack-mountable                                                                    |
| Height (Rack Units) | 1U                                                                                         |
| Localisation        | Region: Europe                                                                             |
| Server Scalability  | 1-way                                                                                      |
| Processor           | 1 x Intel Xeon Silver 4514Y / 2 GHz (up to 3.4 GHz, (16-core)                              |

|                              |                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------|
| Processor Main Features      | Intel Turbo Boost Technology                                                               |
| Cache Memory                 | 30 MB L3 Cache                                                                             |
| Cache Per Processor          | 30 MB                                                                                      |
| RAM                          | 64 GB (installed) / 2.04 TB (max) - DDR5 SDRAM                                             |
| 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                                                                      |
| Optical Storage              | No optical drive                                                                           |
| Video Memory                 | 16 MB                                                                                      |
| Networking                   | 1GbE                                                                                       |
| Power Redundancy             | Optional                                                                                   |
| OS Provided                  | No operating system                                                                        |
| 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 - 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   | 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 (x16 mode) |
| Interfaces | 1 x HPE iLO (1 in front) (service port)   3 x USB 3.2 Gen 1 (1 front, 2 rear)   1 x USB 2.0   1 x VGA   2 x LAN (Gigabit Ethernet)                                    |

### Manufacturer Warranty

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

### RAM

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| Installed Size         | 64 GB (installed) / 2.04 TB (max)                          |
| Technology             | DDR5 SDRAM                                                 |
| Effective Memory Speed | 2800 MHz                                                   |
| Rated Memory Speed     | 2800 MHz                                                   |
| Form Factor            | DIMM 288-pin                                               |
| Slots                  | 16 (Total) / 14 (empty)                                    |
| Features               | Registered, HPE SmartMemory, 8-channel memory architecture |
| Configuration Features | 2 x 32 GB                                                  |

## Networking

|                              |                                              |
|------------------------------|----------------------------------------------|
| Ethernet Ports               | 2 x Gigabit Ethernet                         |
| 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          | AES, FIPS 140-2, Triple DES, IPv6 Ready, PCI DSS, TLS v1.2, ASHRAE Class A4, ASHRAE Class A3, WEEE 2002/95/EC, ACPI 6.3 |
| 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           | 2                                |
| Max Supported Qty       | 2                                |
| 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 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 |
|------|------------------|

## Operating System / Software

|              |                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS Provided  | No operating system                                                                                                                                                                                                                                          |
| OS Certified | Microsoft Windows Server 2019, Microsoft Windows Server 2022, VMware ESXi 7.0 update 3, VMware ESXi 8.0, VMware ESXi 8.0 update 1, Red Hat Enterprise Linux 8.6, Red Hat Enterprise Linux 9.0, SUSE Linux Enterprise Server 15 SP4, Ubuntu 22.04 LTS, CentOS |

**Monitor**

|              |       |
|--------------|-------|
| Monitor Type | None. |
|--------------|-------|

**Graphics Controller**

|                  |       |
|------------------|-------|
| Video Memory     | 16 MB |
| Video Interfaces | VGA   |

**Hard Drive**

|                |            |
|----------------|------------|
| Type           | SSD        |
| Capacity       | 2 x 480 GB |
| Interface Type | SATA       |

**Dimensions & Weight**

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

**Processor / Chipset**

|                         |                              |
|-------------------------|------------------------------|
| CPU                     | Intel Xeon Silver 4514Y      |
| Clock Speed             | 2 GHz                        |
| Max Turbo Speed         | 3.4 GHz                      |
| Number of Cores         | 16-core                      |
| CPU Qty                 | 1                            |
| Max CPU Qty             | 1                            |
| CPU Upgradability       | Upgradable                   |
| Processor Main Features | Intel Turbo Boost Technology |
| 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