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Overview

P02872-B21 is the HPE ProLiant DL560 Gen10 5220 2.2GHz 18core 2P 64GB-R P408i-a 8SFF 2x1600W RPS Server. HPE ProLiant DL560 Gen10 server is a high-density, 4P server with high-performance, scalability, and reliability, in a 2U chassis. Supporting the Intel® Xeon® Scalable processors with up to a 61% performance gain, the HPE ProLiant DL560 Gen10 server offers greater processing power, up to 6 TB of faster memory, and I/O of up to eight PCIe 3.0 slots. In addition, it offers the intelligence and simplicity of automated management with HPE OneView and HPE Integrated Lights Out 5 (iLO 5). The HPE ProLiant DL560 Gen10 server is the ideal server for business-critical workloads, virtualization, server consolidation, database, business processing, and general 4P data-intensive applications where data center space and the right performance are paramount.

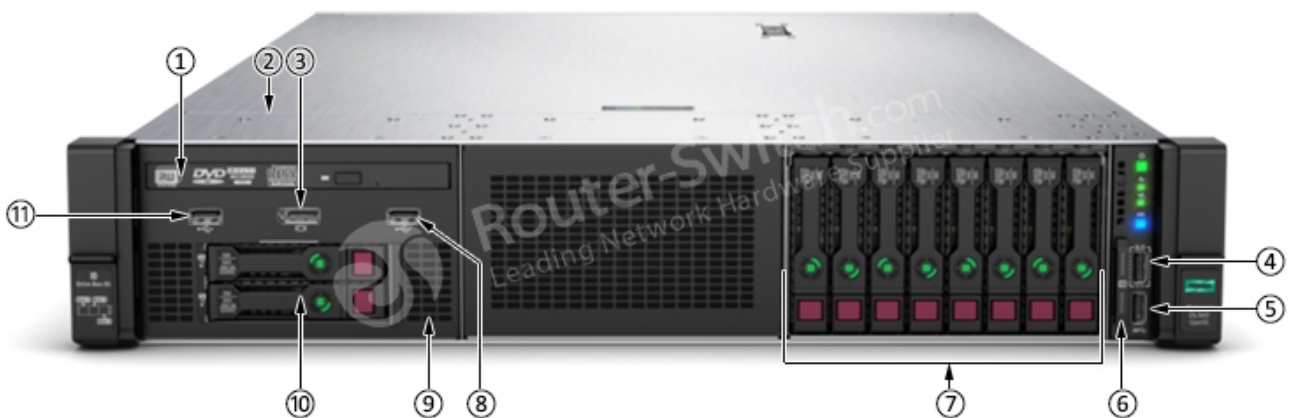
Quick Spec

Table 1 shows the quick spec.

Model	P02872-B21
Description	HPE ProLiant DL560 Gen10 5220 2.2GHz 18core 2P 64GB-R P408i-a 8SFF 2x1600W RPS Server
Processor Name	Intel® Xeon® Scalable 5220 (18 core, 2.2 GHz, 24.75 MB, 125W)
Processor number	2 processors included
Maximum memory	1.5 TB
Memory slots	24 DIMM slots
Memory type	HPE DDR4 SmartMemory
Minimum dimensions (H x W x D)	8.75 x 44.55 x 75.47 cm

Product Details

Figure 1 shows the HPE DL560 Gen10 front view.

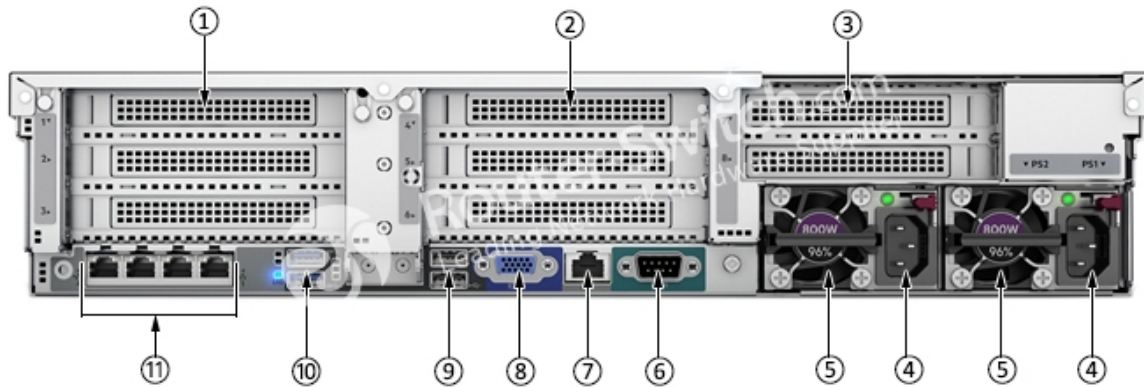


Note:

(1)	Optional Optical drive. Requires Universal Media bay	(7)	Drive Box 3. (8 SFF, 6SFF+2NVMe optional)
(2)	Quick removal access panel	(8)	Optional USB 2.0 (via Universal Media Bay)
(3)	Optional front Display Port (via Universal Media Bay)	(9)	Drive Box 1. (Optional Universal Media bay, 8 SFF bay or 6 SFF+2NVMe optional)
(4)	iLO Front Service Port	(10)	Optional 2 SFF HDD, requires optional Universal Media bay

(5)	USB 3.0	(11)	Optional USB 2.0 (via Universal Media Bay)
(6)	Serial label pull tag		

Figure 2 shows the HPE DL560 Gen10 rear view.



Note:

(1)	PCIe Slots (Slots 1-3 top to bottom, riser shipped standard)	(7)	Dedicated iLO connector
(2)	PCIe Slots (Slots 4-6 top to bottom, requires second riser card and second processor)	(8)	VGA (video) connector
(3)	PCIe Slots (Slots 7-8 top to bottom), requires tertiary riser card and second processor, Not available with 4x Flex Slot power supplies	(9)	USB connectors 2.0 (2)
(4)	Power supply power connections	(10)	USB connectors 3.0 (2)
(5)	HPE Flexible Slot Power Supply bay 1 and 2 (800W PS shown)	(11)	FlexibleLOM ports (Port 1 on right side)
(6)	Serial connector		

Options

Table 2 shows the recommended optional accessories.

Product number	Description
872475-B21	HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD
872477-B21	HPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD
870753-B21	HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD
872479-B21	HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD
845264-B21	HPE 16GB NVDIMM Single Rank x4 DDR4-2666 Module Kit
815102-B21	HPE 128GB (1x128GB) Octal Rank x4 DDR4-2666 CAS-22-19-19 3DS Load Reduced Memory Kit
876181-B21	HPE 8GB (1x8GB) Dual Rank x8 DDR4-2666 CAS-19-19-19 Registered Smart Memory Kit
877825-B21	HPE 1.6TB PCIe x8 Lanes Mixed Use HHHL 3yr Wty Digitally Signed Firmware Card

Compare to Similar Item

Table 3 shows the comparison.

Product Code	741064-B21	P02872-B21
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Description	HPE ProLiant DL560 Gen9 E5-4610v3 2P 32GB-R B140i 8SFF SATA 1200W PS Entry Server	HPE ProLiant DL560 Gen10 5220 2.2GHz 18core 2P 64GB-R P408i-a 8SFF 2x1600W RPS Server
Number of processors	2	2
Processor core available	10	18
Processor cache	25MB L3	24.75 MB
Processor speed	1.7GHz	2.2 GHz
Form factor (fully configured)	2U	2U
Product dimensions (H x W x D)	8.75 x 44.55 x 75.47 cm	8.75 x 44.55 x 75.47 cm

Get More Information

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Specification

P02872-B21 Specification	
Model Name	HPE ProLiant DL560 Gen10 5220 2.2GHz 18-core 2P 64GB-R P408i-a 8SFF 2x1600W RPS Server
Processor	Intel® Xeon® 5220 (18-Core, 2.2GHz, 125W)
Number of Processors	2
Memory	64 GB NOTE: 24 DIMM slots available with Entry Model; 2 more processor slots and 24 more DIMMs available via optional HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21).
Storage Controller	HPE Smart Array P408i-a
Power Supply	2x 1600W NOTE: 1600W Power supplies only support high line voltage (200VAC to 240VAC).
PCI-Express Slots	3 PCIe 3.0 slots available NOTE: 8 PCIe 3.0 slots available with the secondary and tertiary riser installed.
Hard drive	None shipped as Standard
Internal Storage	8 SFF Drive Bays NOTE: Can be expanded up to a max of 24 SFF drives, with optional HPE DL560 Gen10 8SFF HDD Bay2 Kit (872235-B21) and HPE DL560 Gen10 8 SFF HDD Bay1 Kit (872231-B21). NOTE: Optionally NVMe SSD drives can be added with HPE DL560 Gen10 Premium 6SFF and 2 NVMe or 8 SFF Bay1 Kit (872227-B21) or HPE DL560 Gen10 Prem 6 SFF+2 NVMe Bay2 Kit(872229-B21) or HPE DL560 Gen10 Premium 6 SFF and 2 NVMe or 8 SFF Bay3 Kit (872231-B21) or HPE DL560 NVMe 8 SSD Express Bay Enablement Kit (872225-B21). NOTE: Alternatively, optional HPE DL560 Gen10 Universal Media Bay Kit.
Optical Drive Bay	Optional via Universal Media Bay
Optical Drive	Optional via Universal Media Bay
Fans	6 hot plug fans, redundant
Management	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download); HPE iLO Advanced and HPE OneView Advanced (require licenses)
Form Factor	RACK (2U), HPE Easy Install Rails with CMA

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