

HPE ProLiant DL560 Gen10 Base

Server - rack-mountable - 2U - 4-way - 4 x Xeon Gold 6254 / 3.1 GHz
- RAM 256 GB - SAS - hot-swap 2.5" bay(s) - no HDD - 10 GigE -
monitor: none

Group	Servers
Manufacturer	HPE
Manufacturer item no.	P40456-B21
EAN/UPC	0190017490854



Description

The HPE ProLiant DL560 Gen10 Server is a high-density, four-socket (4S) server with high performance, scalability and reliability, all in a 2U chassis. The HPE ProLiant DL560 Gen10 Server offers fast memory, IO of up to eight PCIe 3.0 slots, plus the intelligence and simplicity of automated management with HPE OneView and HPE 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.

Main features

Product Description	HPE ProLiant DL560 Gen10 Base - rack-mountable - Xeon Gold 6254 3.1 GHz - 256 GB - no HDD
Type	Server - rack-mountable
Height (Rack Units)	2U
Localisation	Region: Worldwide
Server Scalability	4-way
Processor	4 x Intel Xeon Gold 6254 / 3.1 GHz (4 GHz) (18-core)
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2
Cache Memory	99 MB L3 Cache
Cache Per Processor	24.75 MB
RAM	256 GB (installed) / 3 TB (max) - DDR4 SDRAM
Storage Controller	RAID (SATA 6Gb/s / SAS 12Gb/s) (HPE Smart Array P408i-a SR Gen10)
Server Storage Bays	Hot-swap 2.5"
Hard Drive	No HDD
Optical Storage	No optical drive
Video Memory	16 MB
Networking	10 GigE
Power	AC 200/240 V (50/60 Hz)
Power Redundancy	Yes
Dimensions (WxDxH)	44.54 cm x 75.47 cm x 8.75 cm

Extended details

	General
Type	Server
Product Form Factor	Rack-mountable - 2U
Server Scalability	4-way
Hot-Swap Bays Qty	8
Localisation	Region: Worldwide
	Processor / Chipset
CPU	Intel Xeon Gold 6254
Clock Speed	3.1 GHz
Max Turbo Speed	4 GHz
Number of Cores	18-core
CPU Qty	4
Max CPU Qty	4
CPU Upgradability	Upgradable
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2
Chipset Type	Intel C621
	Cache Memory
Installed Size	L3 Cache - 99 MB
Cache Per Processor	24.75 MB
	RAM
Installed Size	256 GB / 3 TB (max)
Technology	DDR4 SDRAM
Effective Memory Speed	2933 MHz
Rated Memory Speed	2933 MHz
Form Factor	DIMM 288-pin
Slots	48 (Total) / 40 (empty)
Features	Registered, HPE SmartMemory
Configuration Features	8 x 32 GB
RAM Supported	3 TB registered 6 TB Load-Reduced 12 TB Persistent Memory
	Hard Drive
Type	No HDD
	Storage Controller
Type	1 x RAID
Controller Interface Type	SATA 6Gb/s / SAS 12Gb/s
Storage Controller Name	HPE Smart Array P408i-a SR Gen10
Channel Qty	8
RAID Level	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, RAID 50, RAID 60, RAID 1 ADM, RAID 10 ADM
Buffer Size	2 GB

	Optical Storage
Type	No optical drive
	Monitor
Monitor Type	None.
	Graphics Controller
Video Memory	16 MB
Video Interfaces	VGA
	Networking
Ethernet Ports	2 x 10 Gigabit Ethernet
Ethernet Controller	Broadcom BCM57416
Data Link Protocol	10 Gigabit Ethernet
Remote Management Controller	Integrated Lights-Out 5
Features	Wake on LAN (WoL), ACPI support, PXE support
	Expansion / Connectivity
Bays	1 (total) / 1 (free) x external 8 (total) / 8 (free) x hot-swap 2.5" SFF
Slots	1 (total) / 1 (free) x PCIe 3.0 x16 - three-quarter-length, full-height 2 (total) / 2 (free) x PCIe 3.0 x8 - three-quarter-length, full-height 2 (total) / 2 (free) x M.2 Card 1 (total) / 1 (free) x microSD Card (internal)
Interfaces	1 x VGA 1 x serial 2 x LAN (10Gigabit Ethernet) 1 x HPE iLO - RJ-45 1 x HPE iLO (1 in front) 2 x USB 2.0 5 x USB 3.0 (1 front, 2 rear, 2 internal)
	Miscellaneous
Included Accessories	Cable management arm, HPE Easy Install Rails
Compliant Standards	FIPS 140-2, WEEE, ACPI 6.1
	Power
Device Type	Power supply - hot-plug
Power Redundancy	Yes
Installed Qty	2
Max Supported Qty	2
Voltage Required	AC 200/240 V (50/60 Hz)
Power Provided	1600 Watt
80 PLUS Certification	80 PLUS Platinum
Efficiency	94%
	Operating System / Software
OS Certified	SUSE Linux Enterprise Server, Red Hat Enterprise Linux, CentOS, VMware ESXi, Microsoft Windows Server 2012 R2, Microsoft Windows Server 2016, Red Hat Enterprise Linux 8.0, Microsoft Windows Server 2019
Software	HPE iLO Standard with Intelligent Provisioning, HPE OneView Standard (free download)
	Manufacturer Warranty
Service & Support	Limited warranty - parts and labour - 3 years - on-site - response time: next business day
	Dimensions & Weight

Width	44.54 cm
Depth	75.47 cm
Height	8.75 cm
Environmental Parameters	
Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	8 - 90% (non-condensing)

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