

HPE ProLiant DL580 Gen10 - Server

rack-mountable - 4U - 4-way - 4 x Xeon Gold 6230 / 2.1 GHz - RAM
256 GB - SAS - hot-swap 3.5" bay(s) - no HDD - GigE - monitor: none

Group	Servers
Manufacturer	HPE
Manufacturer item no.	P22709-B21
EAN/UPC	0190017437460



Description

Looking for a highly scalable, workhorse server to address your database, storage, and graphics intensive applications? The HPE ProLiant DL580 Gen10 server is a secure, highly expandable server with high-performance, scalability and availability in a compact chassis. The HPE ProLiant DL580 Gen10 server is the ideal server for business-critical workloads and general data-intensive applications where the right performance is paramount.

Main features

Product Description	HPE ProLiant DL580 Gen10 - rack-mountable - Xeon Gold 6230 2.1 GHz - 256 GB - no HDD
Type	Server - rack-mountable
Height (Rack Units)	4U
Server Scalability	4-way
Processor	4 x Intel Xeon Gold 6230 / 2.1 GHz (3.9 GHz) (20-core)
Cache Memory	110 MB L3 Cache
Cache Per Processor	27.5 MB
RAM	256 GB (installed) / 6 TB (max) - DDR4 SDRAM
Storage Controller	RAID (SATA 6Gb/s / SAS 12Gb/s) - PCIe 3.0 x8 (Smart Array P408i-p with 2GB FBWC)
Server Storage Bays	Hot-swap 3.5"
Hard Drive	No HDD
Optical Storage	No optical drive
Video Memory	16 MB
Networking	GigE
Power	AC 120/230 V (50/60 Hz)
Power Redundancy	Yes
Dimensions (WxDxH)	44.55 cm x 75.18 cm x 17.48 cm
Weight	28.12 kg

Extended details

General	
Type	Server
Product Form Factor	Rack-mountable - 4U

Server Scalability	4-way
Hot-Swap Bays Qty	8
Processor / Chipset	
CPU	Intel Xeon Gold 6230 / 2.1 GHz
Max Turbo Speed	3.9 GHz
Number of Cores	20-core
CPU Qty	4
Max CPU Qty	4
CPU Upgradability	Upgradable
Chipset Type	Intel C621
Cache Memory	
Installed Size	L3 Cache - 110 MB
Cache Per Processor	27.5 MB
RAM	
Installed Size	256 GB / 6 TB (max)
Technology	DDR4 SDRAM
Form Factor	DIMM 288-pin
Slots	48 (Total)
Features	Registered, mixing of different types of memory modules is not supported, HPE SmartMemory, slots 25 - 48 are available in four-processor configuration only
RAM Supported	1.5 TB registered - ECC 6 TB Load-Reduced - ECC
Hard Drive	
Type	No HDD
Storage Controller	
Type	1 x RAID - PCIe 3.0 x8
Controller Interface Type	SATA 6Gb/s / SAS 12Gb/s
Storage Controller Name	Smart Array P408i-p with 2GB FBWC
Channel Qty	8
RAID Level	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, RAID 50, RAID 60, 1ADM, 10ADM
Buffer Size	2 GB
Optical Storage	
Type	No optical drive
Monitor	
Monitor Type	None.
Graphics Controller	
Video Memory	16 MB
Video Interfaces	VGA
Networking	
Interface (Bus) Type	PCI Express 2.0 x4

Ethernet Ports	4 x Gigabit Ethernet
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Remote Management Controller	Integrated Lights-Out 5
Features	Wake on LAN (WoL), ACPI support, PXE support
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1as, IEEE 802.3az
Expansion / Connectivity	
Bays	8 (total) / 8 (free) x hot-swap 3.5" LFF
Slots	1 (total) / 0 (free) x FlexibleLOM ; 1 (total) / 1 (free) x microSD Card ; 2 (total) / 2 (free) x PCIe 3.0 x16 - full-height ; 6 (total) / 6 (free) x PCIe 3.0 x8 - full-height
Interfaces	1 x serial ; 1 x VGA ; 1 x HPE iLO - RJ-45 ; 2 x USB 2.0 ; 4 x LAN (Gigabit Ethernet) ; 5 x USB 3.0 (1 front, 2 rear, 2 internal) ; 1 x HPE iLO (1 in front)
Miscellaneous	
Compliant Standards	AES, FIPS 140-2, WEEE 2002/95/EC, ACPI 6.1
Power	
Device Type	Power supply - hot-plug
Power Redundancy	Yes
Installed Qty	4
Max Supported Qty	4
Voltage Required	AC 120/230 V (50/60 Hz)
Power Provided	1600 Watt
80 PLUS Certification	80 PLUS Platinum
Efficiency	94%
Manufacturer Warranty	
Service & Support	Limited warranty - parts and labour - 3 years - on-site - response time: next business day
Dimensions & Weight	
Width	44.55 cm
Depth	75.18 cm
Height	17.48 cm
Weight	28.12 kg
Environmental Parameters	
Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	8 - 90% (non-condensing)

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