

HPE ProLiant DL580 Gen10 Base

Server - rack-mountable - 4U - 4-way - 4 x Xeon Gold 6230 / 2.1 GHz
 - RAM 256 GB - SAS - hot-swap 2.5" bay(s) - no HDD - 10 GigE -
 monitor: none

Group	Servers
Manufacturer	HPE
Manufacturer item no.	P40458-B21
EAN/UPC	0190017490878



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, 4P server with high-performance, scalability and availability in a 4U chassis. The HPE ProLiant DL580 Gen10 server delivers greater processing power and is the ideal server for business-critical workloads and general 4P data-intensive applications where the right performance is paramount.

Main features

Product Description	HPE ProLiant DL580 Gen10 Base - rack-mountable - Xeon Gold 6230 2.1 GHz - 256 GB - no HDD
Type	Server - rack-mountable
Height (Rack Units)	4U
Localisation	Region: Worldwide
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) / 3 TB (max) - DDR4 SDRAM - PC4-23466
Storage Controller	RAID (SATA 6Gb/s / SAS 12Gb/s) - PCIe 3.0 x8 (Smart Array P408i-p 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) 44.55 cm x 75.18 cm x 17.48 cm

Extended details

General

Type	Server
Product Form Factor	Rack-mountable - 4U
Server Scalability	4-way
Hot-Swap Bays Qty	8
Localisation	Region: Worldwide

Processor / Chipset

CPU	Intel Xeon Gold 6230
Clock Speed	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 / 3 TB (max)
Technology	DDR4 SDRAM
Effective Memory Speed	2933 MHz
Rated Memory Speed	2933 MHz
Memory Specification Compliance	PC4-23466
Form Factor	DIMM 288-pin
Slots	48 (Total) / 40 (empty)
Features	Registered, HPE SmartMemory

Configuration Features	8 x 32 GB
RAM Supported	3 GB registered 6 TB Load-Reduced 12 TB Persistent Memory
	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 SR Gen10
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
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	8 (total) / 8 (free) x hot-swap 2.5" SFF
Slots	4 (total) / 4 (free) x PCIe 3.0 x16 - full-length, full-height 1 (total) / 0 (free) x FlexibleLOM 1 (total) / 1 (free) x microSD Card 4 (total) / 4 (free) x PCIe 3.0 x8 - full-length, full-height 2 (total) / 2 (free) x PCIe 3.0 x16 - three-quarter-length, full-height 6 (total) / 6 (free) x PCIe 3.0 x8 - three-quarter-length, full-height
Interfaces	1 x serial 1 x VGA 1 x HPE iLO - RJ-45 2 x USB 2.0 2 x LAN (10Gigabit Ethernet) 5 x USB 3.0 (1 front, 2 rear, 2 internal) 1 x HPE iLO (1 in front)
	Miscellaneous
Included Accessories	Rack rail kit, cable management arm

Compliant Standards	AES, FIPS 140-2, WEEE, ACPI 6.1
	Power
Device Type	Power supply - hot-plug
Power Redundancy	Yes
Installed Qty	4
Max Supported Qty	4
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	VMware ESXi, Microsoft Windows Server 2012 R2, Microsoft Windows Server 2016, SuSE Linux Enterprise Server 12 SP3, Red Hat Enterprise Linux 8.0, Microsoft Windows Server 2019, Red Hat Enterprise Linux 7.6, SuSE Linux Enterprise Server 12 SP4, SUSE Linux Enterprise Server 15 SP1
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	44.55 cm
Depth	75.18 cm
Height	17.48 cm
	Environmental Parameters
Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 90% (non-condensing)

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