869854-B21 Datasheet

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Overview

The HPE ProLiant DL580 Gen10 Server is a high-density, four-socket server with high performance, scalability and reliability, all in a 4U chassis. Supporting the latest Intel® Xeon® Scalable processors, the HPE ProLiant DL580 Gen10 Server offers greater processing power, up to 6 TB of faster memory, IO of up to sixteen PCIe 3.0 slots, plus the intelligence and simplicity of automated management with HPE OneView and HPE iLO 5. The 869854-B21 stands for HPE ProLiant DL580 Gen10 8SFF Configure-to-order Server.
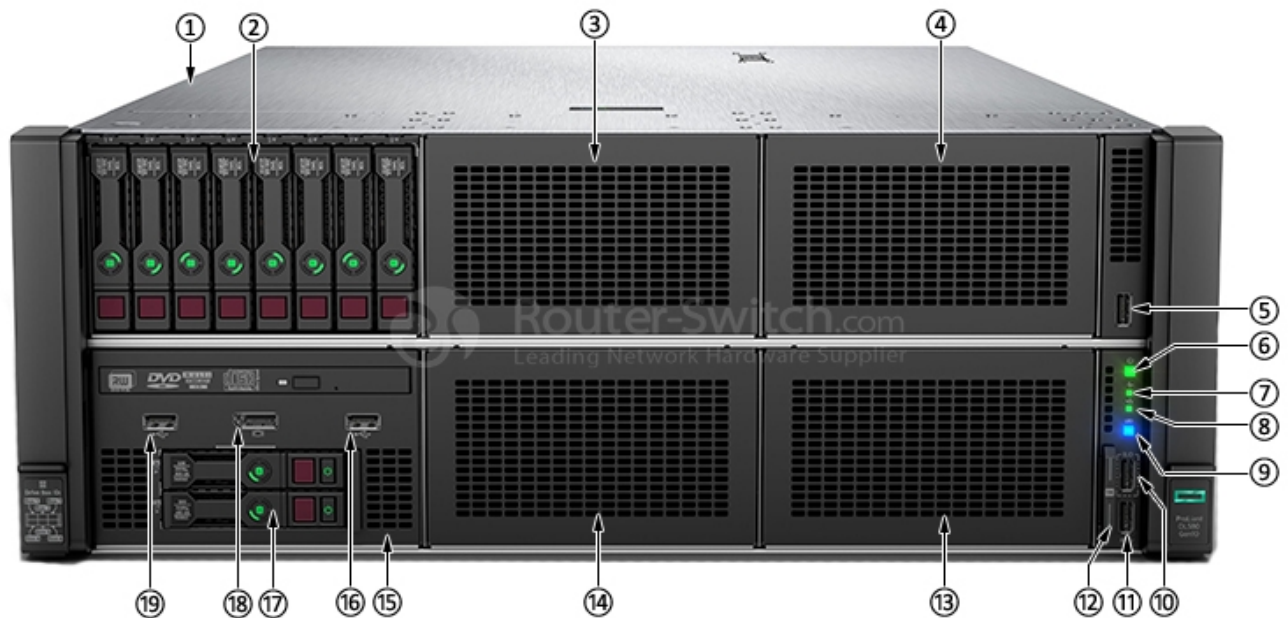
Quick Spec

Table 1 shows the quick spec.

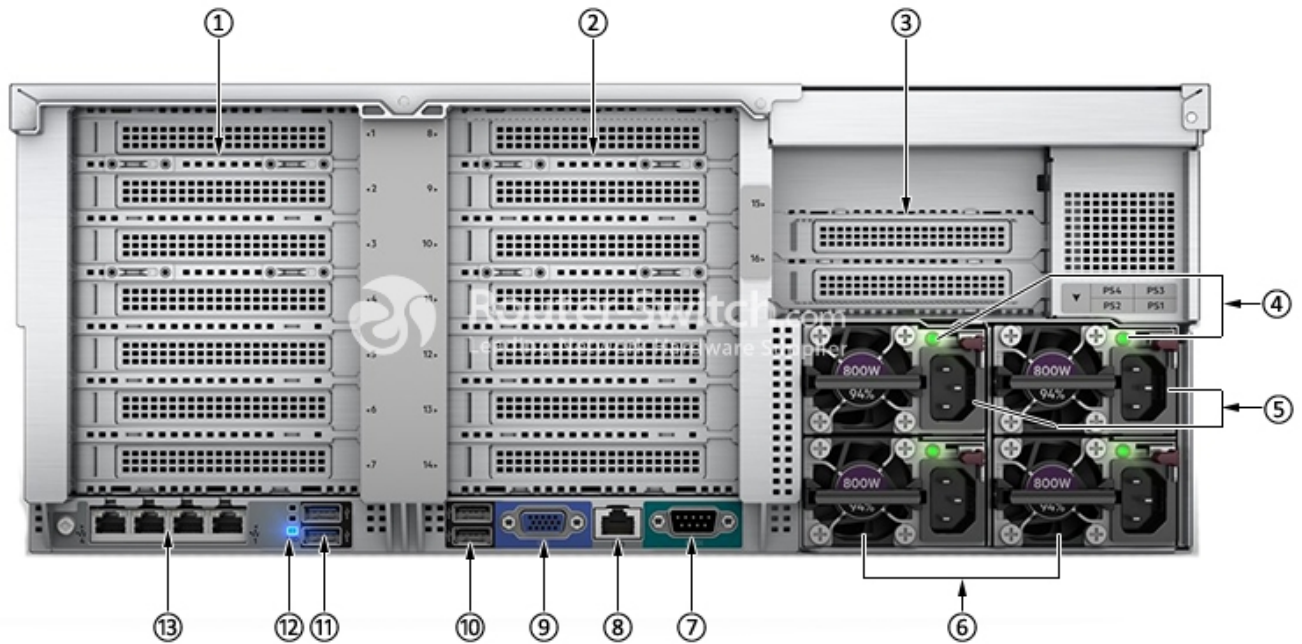|	
Product Number	869854-B21
Product Description	HPE ProLiant DL580 Gen10 8SFF Configure-to-order Server
Chipset	Intel® C621 Chipset
Processor	4U Server Chassis with 2 processor slots available; 4 processor configuration would require optional HPE ProLiant HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21)
DIMM Slots	24 DIMM slots for RDIMM, LRDIMM DDR4 Memory; 48 DIMM configuration would require optional HPEProLiant HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21) and 4 processors
Network Controller	None. FlexibleLOM slot (various options can be chosen for networking; NIC cards also available via expansion slots)
Storage Controller	HPE Smart Array S100i
PCIe	None. Must order a primary riser (16 PCIe 3.0 slots are available if all processors are chosen and the primary, secondary and tertiary Riser Kits have been installed)
Drive Cage	8 SFF in Box 1, no drives
Fans	12 hot plug fans, (n+1) redundant
Management	HPE iLO Standard with Intelligent Provisioning and (Standard); HPE OneView Standard (requires download) and HPE iLO Advanced (require additional licenses), HPE iLO Advanced Premium Security Edition (require additional licenses), HPE OneView Advanced (require additional licenses)
microSD Slots	1 microSD card slot (internal)

Product Details

Figure 1 shows the front view of DL580 Gen10 servers.

Note:

(1)	Quick removal access panel
(2)	Box 1 (8 SFF, 6 SFF+2 NVMe or 8 NVMe (supports only 4 NVMe drives) SSD optional)
(3)	Box 2 (8 SFF, 6 SFF+2 NVMe or 8 NVMe PCIe SSD optional)
(4)	Box 3 (8 SFF, 6 SFF+2 NVMe or 8 NVMe PCIe SSD optional)
(5)	Front USB 3.0 port
(6)	Power On/Standby button and system power LED button
(7)	Health LED
(8)	NIC status
(9)	UID button
(10)	iLO Front Service Port
(11)	Front USB 3.0 port
(12)	Serial label pull tag
(13)	Box 6 (8 SFF)
(14)	Box 5 (8 SFF)
(15)	Box 4 (8 SFF or Universal Media bay)
(16)	Optional USB 2.0 (via Universal Media Bay)
(17)	Optional 2 SFF HDD, requires optional Universal Media bay
(18)	Optional front display port (via Universal Media Bay)
(19)	Optional USB 2.0 (via Universal Media Bay)

Figure 2 shows the back view of DL580 Gen10 servers.

Note:

(1)	PCIe Slots (Slots 1-7 top to bottom), requires primary riser
(2)	PCIe Slots (Slots 8-14 top to bottom), requires secondary riser (includes tertiary riser)
(3)	PCIe Slots (Slots 15-16 top to bottom), requires tertiary riser (included with secondary riser)
(4)	Power supply Power LED (max. 4)
(5)	Power supply Power connection (max. 4)
(6)	HPE Flexible Slot Power Supply, 800W PS shown (max. 4)
(7)	Serial connector
(8)	Dedicated iLO connector
(9)	VGA (video) connector
(10)	USB connectors 2.0 (2)
(11)	USB connectors 3.0 (2)
(12)	Unit ID LED
(13)	FlexibleLOM ports (Port 1 on right side)

The Accessories

Table 2 shows the recommended elements for the HPE869854-B21.

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
868818-B21	HPE 480GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD
875503-B21	HPE 240GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD

Compare to Similar Items

Table 3 shows the comparison between HPE 869854-B21 and HPE 841730-B21.

Product Number	869854-B21	841730-B21
Product Description	HPE ProLiant DL580 Gen10 8SFF Configure-to-order Server	HPE DL560 Gen10 8SFF CTO Server
Processor	4U Server Chassis with 2 processor slots available; 4 processor configuration would require optional HPE ProLiant HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21)	2U Server Chassis with 2 processor slots available; 4 processor configuration would require optional HPE ProLiant HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21)
DIMM Slots	24 DIMM slots for RDIMM, LRDIMM DDR4 Memory; 48 DIMM configuration would require optional HPEProLiant HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21) and 4 processors	24 DIMM slots for RDIMM, LRDIMM DDR4 Memory; 48 DIMM configuration would require optional HPE ProLiant HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21) and 4 processors
Storage Controller	HPE Smart Array S100i	HPE Smart Array S100i
PCIe	None. Must order a primary riser (16 PCIe 3.0 slots are available if all processors are chosen and the primary, secondary and tertiary Riser Kits have been installed)	3 PCIe 3.0 slots (8 PCIe 3.0 slots are available if second processor is chosen and a Secondary and Tertiary Riser Kits has been installed)
Drive Cage	8 SFF in Box 1, no drives	8 SFF, no drives

Get more information

Do you have any question about the HPE 869854-B21 Sever?

Contact us now via **Live Chat** or **sales@router-switch.com**.

Specification

HPE 869854-B21 Specification	
Product Number	869854-B21
Product Description	HPE ProLiant DL580 Gen10 8SFF Configure-to-order Server
Chipset	Intel® C621 Chipset
Processor	4U Server Chassis with 2 processor slots available; 4 processor configuration would require optional HPE ProLiant HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21)
DIMM Slots	24 DIMM slots for RDIMM, LRDIMM DDR4 Memory; 48 DIMM configuration would require optional HPEProLiant HPE DL5x0 Gen10 CPU Mezzanine Board Kit (872222-B21) and 4 processors
Network Controller	None. FlexibleLOM slot (various options can be chosen for networking; NIC cards also available via expansion slots)
Storage Controller	HPE Smart Array S100i
PCIe	None. Must order a primary riser (16 PCIe 3.0 slots are available if all processors are chosen and the primary, secondary and tertiary Riser Kits have been installed)
Drive Cage	8 SFF in Box 1, no drives
Fans	12 hot plug fans, (n+1) redundant

Management	HPE iLO Standard with Intelligent Provisioning and (Standard); HPE OneView Standard (requires download) and HPE iLO Advanced (require additional licenses), HPE iLO Advanced Premium Security Edition (require additional licenses), HPE OneView Advanced (require additional licenses)
microSD Slots	1 microSD card slot (internal)
TPM Connector	1 Trusted Platform Module (TPM) connector
UEFI	BIOS Legacy mode (field configurable) or Unified Extensible Firmware Interface (UEFI) mode (default)
USB	7 USB ports (2 USB 2.0 and 5 USB 3.0), Optional 2 front available via universal media kit upgrade
Video Ports	2 video ports (1 front optional via the Universal Media Kit upgrade option, 1 rear)
Rails	HPE DL580 Gen10 4U Rail Kit with CMA

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