Have feedback on QuickSpecs? We're listening

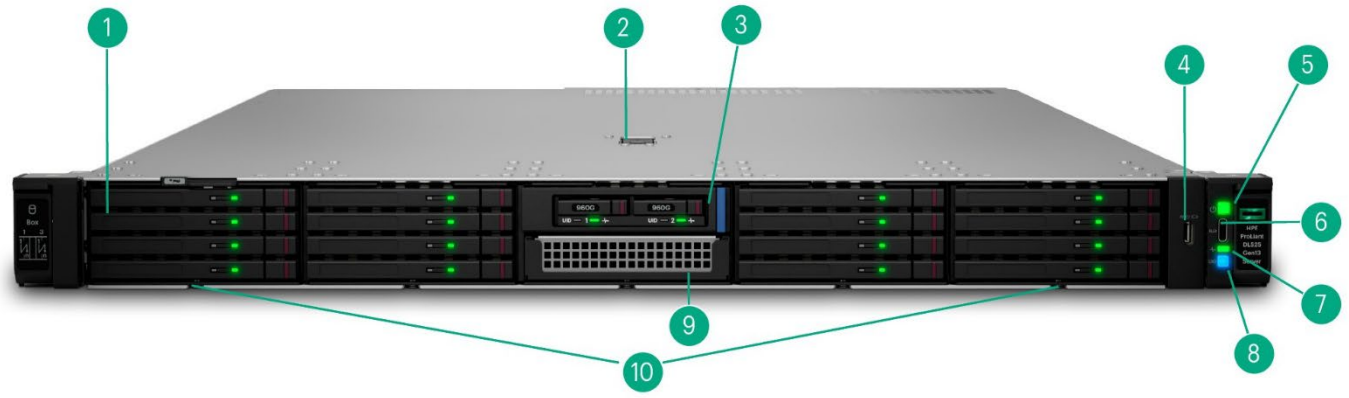
HPE ProLiant DL525 Gen13 Server QuickSpecs

Enterprises need to accelerate AI and data-intensive workloads while controlling infrastructure cost, power, complexity, and risk.

The HPE ProLiant DL525 Gen13 Server helps address these challenges with outstanding performance density, trusted security, and simplified operations in a compact 1U design.

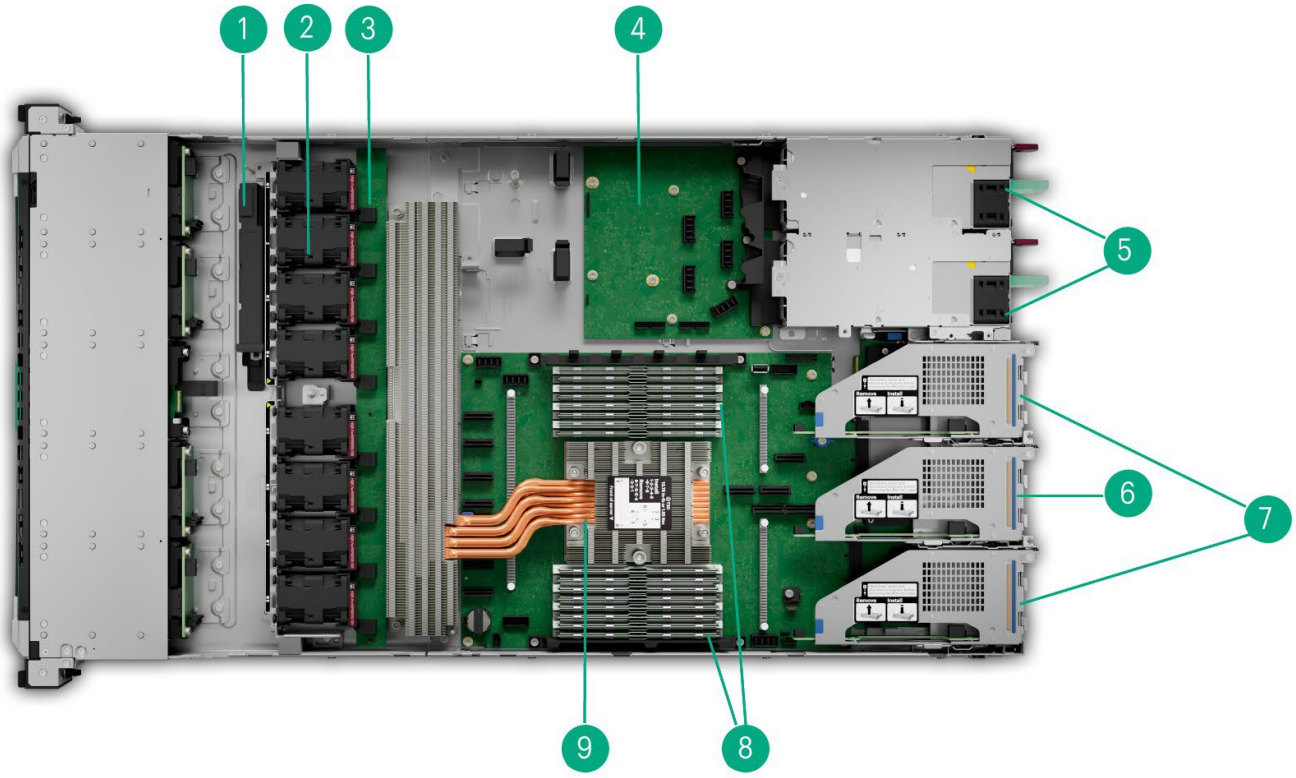
HPE ProLiant DL525 Gen13 Server

Powered by a single 6th Gen AMD EPYC™ SP7 processor with up to 256 cores, the DL525 Gen13 combines PCIe Gen6 connectivity, DDR5 and MRDIMM memory, up to 1.6 TB/s memory bandwidth, and GPU support. It is purpose-built for AI inference, modeling, simulation, EDA, virtualization, and data-intensive analytics, helping organizations consolidate workloads, improve utilization, and prepare for future growth. HPE iLO 8 and HPE server management add automated protection, verified trust, and intelligent operations across the server lifecycle.



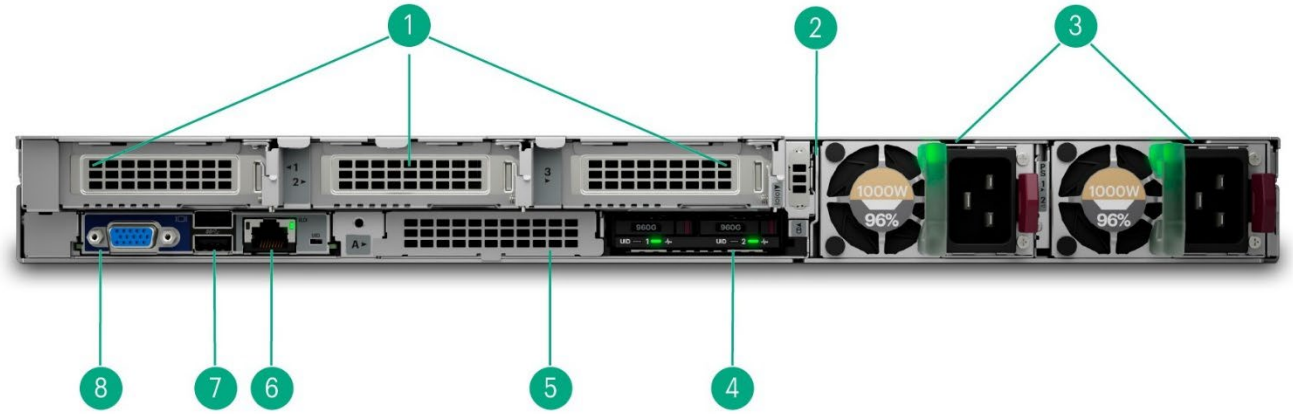
Front View – EDSFF CTO Server

Item	Description	Item	Description
1.	Serial number pull tab	6.	iLO Service port (USB Type-C)
2.	Quick removal access panel	7.	Health LED
3.	Optional NS204mff boot device	8.	Unit ID button/LED
4.	USB 3.1 Type-C port	9.	Optional Front OCP 3.0 slot
5.	Power On/Standby button and system power LED	10.	Front cages, Box 1 to 3



Internal View – EDSFF CTO Server

Item	Description	Item	Description
1.	HPE Smart Storage battery	6.	One (1) OCP 3.0 slot (underneath)
2.	Eight (8) system fans	7.	Three (3) Half-Length PCIe Gen6 slots
3.	Fan Board	8.	Sixteen (16) DIMM slots
4.	Power Distribution Board	9.	CPU and Performance Heat Sink
5.	Up to two (2) HPE M-CRPS Power Supplies		



Rear View - Standard

Item	Description	Item	Description
1.	Three (3) Half-Height PCIe Gen6 Slots	5.	OCP 3.0 Slot
2.	Optional Serial port	6.	iLO dedicated network port
3.	Two (2) HPE M-CRPS Power Supplies	7.	Two (2) USB Type-A 3.0 ports
4.	Optional NS204mff boot device	8.	Video (VGA) port

What's New

- Introducing the all-new HPE ProLiant DL525 Gen13 Server.
- New AMD EPYC™ 9006 SP7 Server CPUs, up to 256 cores, 600W, and 1024MB of L3 Cache.
- New DDR5-8000 DIMMs up to 4 TB.
- New MRDIMM 12800MT/s up to 2 TB
- New HPE Integrated Lights-Out 8 (iLO 8) server management.
- New NS204mff hot-pluggable NVMe boot device, at the front or rear of the chassis.
- New front I/O OCP 3.0 slots capability.
- New GPU support, up to four (4) single-width FHFL or two (2) double-width FHFL.
- New direct liquid cooling option.

Platform Information

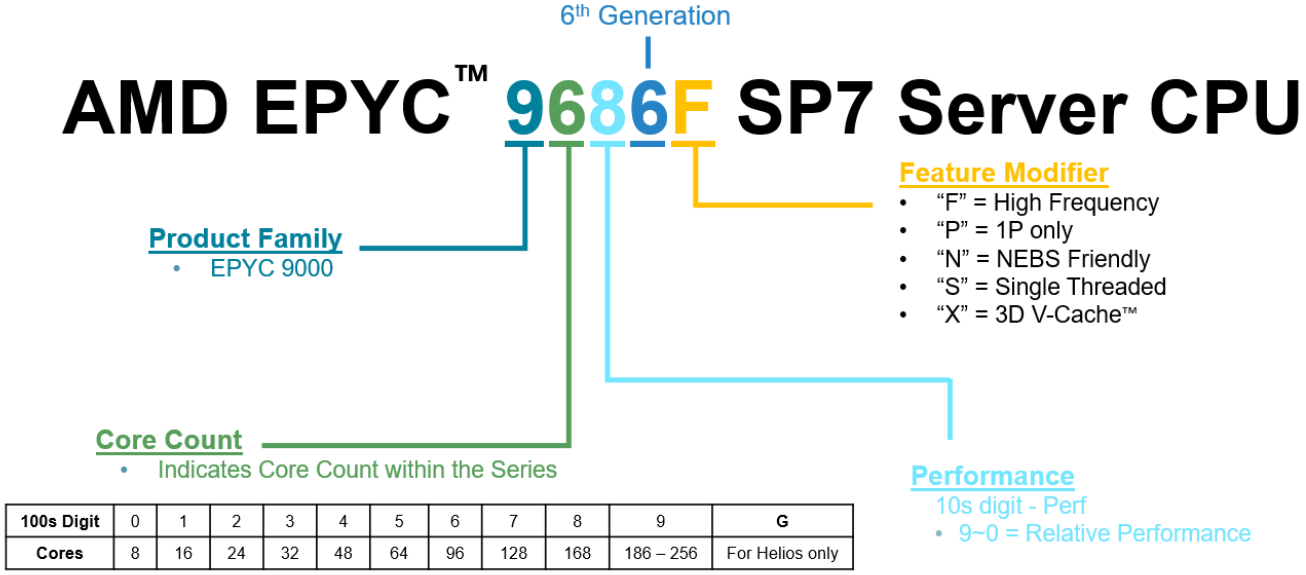
Form Factor

- 1U rack.

Chassis Types

- 20 EDSFF E3.S 1T drive bays.
- 4 Single-Width or 2 Double-Width Front FHFL PCIe Slots, with 8 EDSFF E3.S 1T drive bays.

Processors



100s Digit	0	1	2	3	4	5	6	7	8	9	G
Cores	8	16	24	32	48	64	96	128	168	186 – 256	For Helios only

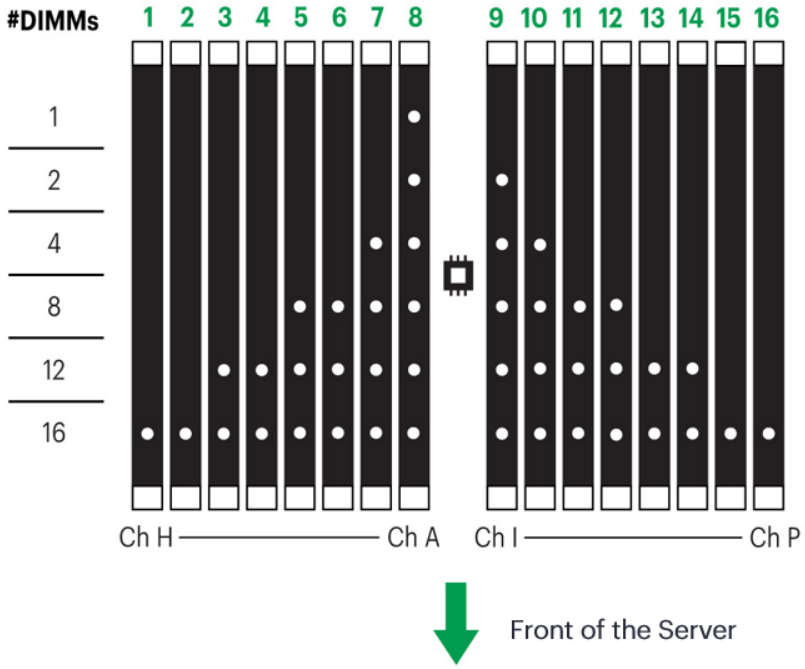
AMD EPYC™ 9006 SP7 CPUs	# of Cores	# of Threads	Base Freq, GHz	Max Freq, GHz	L3 Cache, MB	TDP, Wattage
EPYC™ 9996	256	512	2.55	4.1	1024	600
EPYC™ 9966	192	384	3.05	4	768	600
EPYC™ 9846	168	336	2.85	3.7	768	500
EPYC™ 9756	128	256	3.15	4	512	500
EPYC™ 9656	96	192	3.05	3.7	512	400
EPYC™ 9686F	96	192	4.05	5	384	600
EPYC™ 9556	64	128	2.75	4.3	384	300
EPYC™ 9586F	64	128	3.75	5	384	500

Notes:

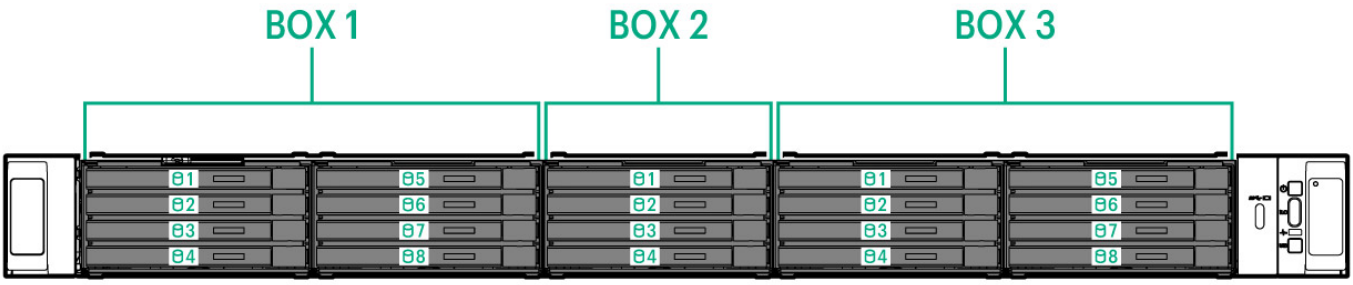
- All AMD EPYC™ 9006 SP7 Server CPUs support up to 4 TB of memory, 16 memory channels per processor, 96 PCIe 6.0 Lanes.
- The wattage information indicates the processor's default cTDP (Configurable TDP).
- The max frequency of each processor is subject to change.
- For more information regarding AMD EPYC™ 9006 Server CPUs, refer to the following: https://www.amd.com/en/products/processors/server/epyc/9006-series.html

Memory	
DIMM Slots Available	16 slots, 16 channels per processor, 1 DIMMs per channel
Supported Type	RDIMM, MRDIMM
Maximum capacity and Frequency	4.0 TB 16 x 256 GB RDIMM @ 8000 MT/s 2.0 TB 16 x 128 GB MRDIMM @ 12800 MT/s
Supported population	1, 2, 4, 8, 12, 16

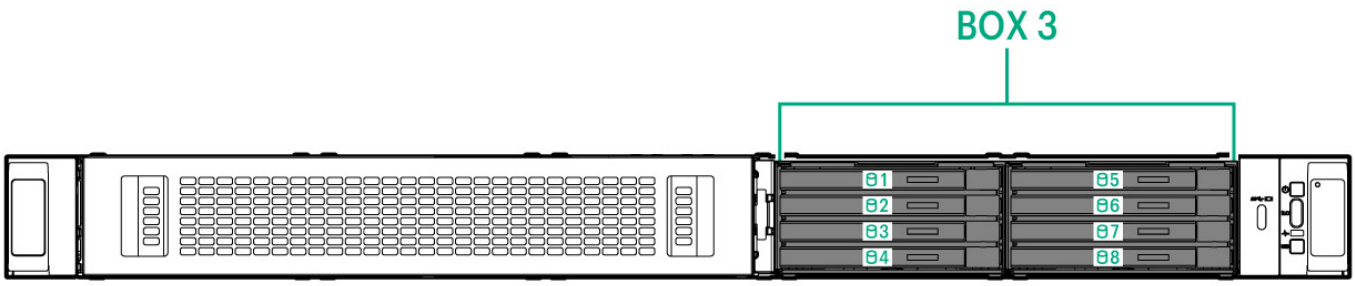
Notes: For additional information, please visit the HPE Memory QuickSpecs and Technical White Papers.



Storage



20 E3.S drive bay, EDSFF CTO server



8 E3.S drive bay, Front FHFL PCIe CTO server

Maximum Internal Storage

	Capacity	Configuration
Hot Plug EDSFF E3.S 1T NVMe SSD	614.4 TB	20 x 30.72 TB
Hot Plug M.2 NVMe SSD	960 GB	2 x 960 GB

HPE Storage RAID Controller Options HPE Compute MR Controllers QuickSpecs.
HPE Boot Device Options HPE OS Boot Device Options QuickSpecs

Storage Configurations

EDSFF CTO Server

Chassis Option	Storage Configuration
No Drive	No Drive
Up to 4 E3.S NVMe Drives	4E3.S x4 NVMe Direct Attach
	4E3.S x2 to 8/16-lane OCP Storage Controller*
	4E3.S x2 to 8/16-lane PCIe Storage Controller*
	4E3.S x4 to 16-lane OCP Storage Controller
	4E3.S x4 to 16-lane PCIe Storage Controller
Up to 8 E3.S NVMe Drives	8E3.S x4 NVMe Direct Attach
	8E3.S x1 to 8/16-lane OCP Storage Controller*
	8E3.S x1 to 8/16-lane PCIe Storage Controller*
	8E3.S x2 to 16-lane OCP Storage Controller*
	8E3.S x2 to 16-lane PCIe Storage Controller*
	8E3.S x4 to 32-lane PCIe Storage Controller*
Up to 16 E3.S NVMe Drives	12E3.S x4 NVMe Direct Attach
	16E3.S x2 NVMe Direct Attach*
	16E3.S x4 NVMe Direct Attach
	16E3.S x1 to 16-lane OCP Storage Controller*
	16E3.S x1 to 16-lane PCIe Storage Controller*
	16E3.S x2 to 32-lane PCIe Storage Controller*
	16E3.S x4 to Dual 32-lane PCIe Storage Controllers*
	8E3.S x4 NVMe Direct Attach + 8E3.S x2 to 16-lane OCP Storage Controller*
	8E3.S x4 NVMe Direct Attach + 8E3.S x4 to 32-lane PCIe Storage Controller*

Up to 20 E3.S NVMe Drives	18E3.S x4 NVMe Direct Attach
	20E3.S x2 NVMe Direct Attach*

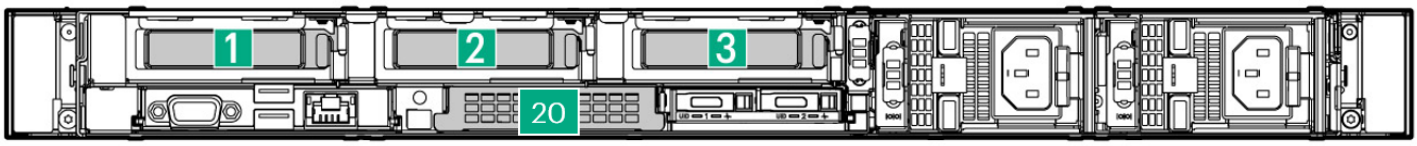
Notes: Configurations will be available in CQ1 2027.

Front FHFL PCIe CTO Server

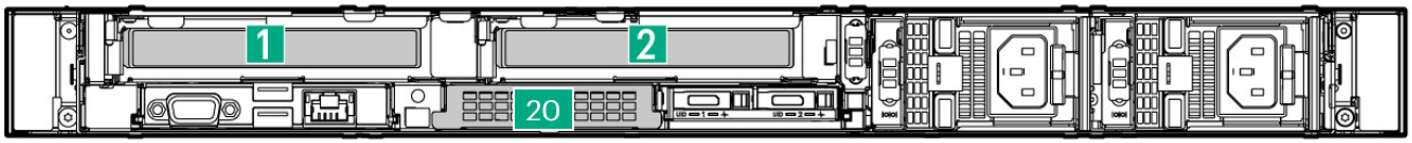
Chassis Option	Storage Configuration
No Drive	No Drive
2 Front FHFL PCIe Slots	4E3.S x4 NVMe Direct Attach
	4E3.S x2 to 8/16-lane OCP Storage Controller*
	4E3.S x2 to 8/16-lane PCIe Storage Controller*
	4E3.S x4 to 16-lane OCP Storage Controller
	4E3.S x4 to 16-lane PCIe Storage Controller
	6E3.S x4 NVMe Direct Attach
	8E3.S x2 NVMe Direct Attach*
	8E3.S x2 to 16-lane OCP Storage Controller*
	8E3.S x2 to 16-lane PCIe Storage Controller*
	8E3.S x4 to 32-lane PCIe Storage Controller*
4 Front FHFL PCIe Slots	4E3.S x2 NVMe Direct Attach*
	4E3.S x2 to 8/16-lane OCP Storage Controller*
	4E3.S x2 to 8/16-lane PCIe Storage Controller*
	4E3.S x4 to 16-lane OCP Storage Controller
	4E3.S x4 to 16-lane PCIe Storage Controller
	8E3.S x2 to 16-lane OCP Storage Controller*
	8E3.S x2 to 16-lane PCIe Storage Controller*
	8E3.S x4 to 32-lane PCIe Storage Controller*

Notes: Configurations will be available in CQ1 2027.

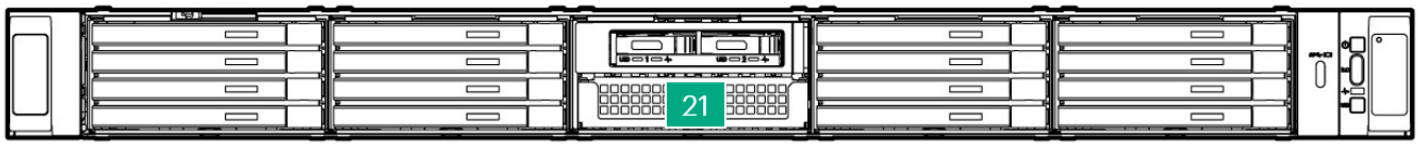
Expansion Slots



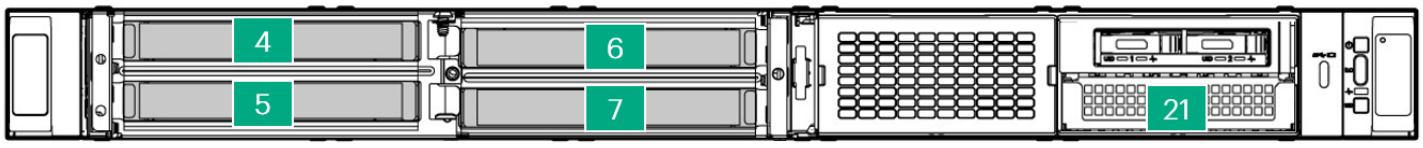
Slots ID	Technology	Bus Width	Connector Width	Slot Form Factor
1	PCIe 6.0	X16	X16	Half-Height Half-length
2	PCIe 6.0	X8	X16	
3	PCIe 6.0	X8	X16	
20	PCIe 6.0	X8	X16	OCP 3.0 SFF



Slot	Technology	Bus Width	Connector Width	Slot Form Factor
1	PCIe 6.0	X16	X16	Full-height Half-length slot
2	PCIe 6.0	X16	X16	
20	PCIe 6.0	X8	X16	OCP 3.0 SFF



Slot	Technology	Bus Width	Connector Width	Slot Form Factor
21	PCIe 6.0	X8 or X16	X16	OCP 3.0 SFF



Slot	Technology	Bus Width	Connector Width	Slot Form Factor
4	PCIe 6.0	X16	X16	Full-height Full-length
5	PCIe 6.0	X16	X16	
6	PCIe 6.0	X16	X16	
7	PCIe 6.0	X16	X16	
21	PCIe 6.0	X8	X16	OCP 3.0 SFF

Rear Riser Configurations

Riser Config	Description	Slot	Form Factor	Bus & Connector Width
1	1 x16 FH	1	FHHL	PCIe Gen6 x16 (in x16 connector)
2	2 x16 FH	1	FHHL	PCIe Gen6 x16 (in x16 connector)
		2	FHHL	PCIe Gen6 x16 (in x16 connector)
3	1 x16 FH + 1 x8 HH	1	FHHL	PCIe Gen6 x16 (in x16 connector)
		2	HHHL	PCIe Gen6 x8 (in x16 connector)
4	1 x16 HH + 2 x8 HH	1	HHHL	PCIe Gen6 x16 (in x16 connector)
		2	HHHL	PCIe Gen6 x8 (in x16 connector)
		3	HHHL	PCIe Gen6 x8 (in x16 connector)

Front Riser Configurations

Riser Config	Description	Slot	Form Factor	Bus & Connector Width
Default 2 slots	2 x16 DW FH	5	FHFL	PCIe Gen6 x16 (in x16 connector)
		6	FHFL	PCIe Gen6 x16 (in x16 connector)
4 Slots	4 x16 SW FH	4	FHFL	PCIe Gen6 x16 (in x16 connector)
		5	FHFL	PCIe Gen6 x16 (in x16 connector)
		6	FHFL	PCIe Gen6 x16 (in x16 connector)
		7	FHFL	PCIe Gen6 x16 (in x16 connector)

Modular Common Redundant Power Supplies (M-CRPS)

- Titanium-Certified Power Efficiency.
- M-CRPS Design.
- Wide range of Power Output Options.
- Power Management.

Interfaces	
Serial	1 optional - rear
Video Port	1 standard VGA port - rear
Network Port	None. Choice of OCP or stand-up card, supporting a wide range of NIC adapters
HPE iLO Remote Management Port	1 1Gb Dedicated - rear
Front iLO Service Port	1 standard via USB Type-C port
USB Port	4 standard on all models: 1 front (alt mode), 2 rear, 1 internal

On System Management Chipset

HPE iLO 8 ASIC

Notes: Read and learn more in the iLO QuickSpecs.

Graphics

Integrated Video Standard

- Video modes up to 1920 x 1200@60Hz (32 bpp).
- 16MB Video Memory.

Industry Standard Compliance

- ACPI 6.1 Compliant.
- PCIe 6.0 Compliant.
- WOL Support.
- Microsoft® Logo certifications.
- PXE Support.
- VGA.
- USB 3.2 Gen 1 Compliant.
- USB 2.0 Compliant.
- ENERGY STAR® 4.0.
- SMBIOS 3.1.
- UEFI 2.7.
- UEFI Class 3.
- Redfish API.
- IPMI 2.0.
- Secure Digital 2.0.
- Advanced Encryption Standard (AES).
- Triple Data Encryption Standard (3DES).
- SNMP v3.
- TLS 1.2.
- DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP).
- Active Directory v1.0.
- ASHRAE A3/A4.
  Notes: For additional technical thermal details regarding ambient temperature, humidity, and feature support, please visit Extended Ambient Temperature Guidelines.
- APML 1.0.

Configure-to-order Servers (choose one (1) of the following configurable models from the tables below)

CTO Server	HPE ProLiant DL525 Gen13 EDSFF CTO Server	HPE ProLiant DL525 Gen13 Front FHFL PCIe CTO Server
SKU Number	P96922-B21	P96923-B21
TAA SKU	P96922-B21#GTA	P96923-B21#GTA
HPE Trusted Supply Chain	Optional: HPE Trusted Supply Chain for HPE ProLiant (P36394-B21)	
Processor	Not included.	
DIMM Slots	16 DIMM slots	
Number of Drives	Up to 20 EDSFF E3.S 1T NVMe	Up to 8 EDSFF E3.S 1T NVMe
Drive Cage	Not included Optional: – 4E3.S 1T x4 – 4E3.S 1T x2	Not included Optional: 4E3.S 1T x4 4E3.S 1T x2
Storage Controller	Choice of HPE storage controllers	
PCIe Slots	Up to 3 PCIe 6.0 slots	Up to 7 PCIe 6.0 slots (Slot 5 & 6 are default)
OCP3.0 Slot	Up to 2 OCP 3.0 slots – Rear: One (1) Default, x8 – Front: One (1) Optional, x8 or x16	
Network Controller	Choice of PCIe stand-up or OCP 3.0 network adapters	
Cooling	One (1) Standard or Performance Heat Sink, or Direct Liquid Cooling Cold Plate Module Kit Eight (8) Performance Fan Kit	
Management	HPE iLO 8 (standard) HPE Compute Ops Management Optional: iLO Advanced and OneView	
Video	Rear: 1 VGA. Optional Serial Port Front: USB 3.1 Type-C port (DP Alt Mode)	
USB	Front: USB 3.1 Type-C port + iLO service port Rear: 2 USB Type-A 3.0 ports Internal: 1 USB 3.1 Type-C port	
Security	TPM2.0 (Trusted Platform Module) embedded	
Rail Kit	Optional Easy Install rails and CMA	
Form Factor	1U Rack	
Warranty	3-year parts, 3-year labor, 3-year on-site support with next business day response.	

Notes: HPE offers multiple Trade Agreement Act (TAA) compliant configurations to meet the needs of US Federal Government customers. These products are either manufactured or substantially transformed into a designated country. TAA compliance is only provided when HPE options are included as part of factory-integrated orders (CTO).

Processor

Please select ONE AMD EPYC™ 9006 SP7 Server CPU

AMD EPYC 9996 SP7 2.55GHz 256-core 600W Processor for HPE	P95130-B21
AMD EPYC 9966 SP7 3.05GHz 192-core 600W Processor for HPE	P95071-B21
AMD EPYC 9846 SP7 2.85GHz 168-core 500W Processor for HPE	P95134-B21
AMD EPYC 9756 SP7 3.2GHz 128-core 500W Processor for HPE	P95138-B21
AMD EPYC 9656 SP7 3.05GHz 96-core 400W Processor for HPE	P95142-B21
AMD EPYC 9686F SP7 4.05GHz 96-core 600W Processor for HPE	P95146-B21
AMD EPYC 9586F SP7 3.75GHz 64-core 500W Processor for HPE	P95150-B21

Memory

Registered DIMM (RDIMM)

Integrated memory

HPE 32GB (1x32GB) Dual Rank x8 DDR5-8000 CAS-64-64-64 EC8 Registered Smart FIO Memory Kit	P83820-F21
HPE 64GB (1x64GB) Dual Rank x4 DDR5-8000 CAS-64-64-64 EC8 Registered Smart FIO Memory Kit	P83822-F21
HPE 96GB (1x96GB) Dual Rank x4 DDR5-8000 CAS-64-64-64 EC8 Registered Smart FIO Memory Kit	P83824-F21

Standalone memory kit

HPE 32GB (1x32GB) Dual Rank x8 DDR5-8000 CAS-64-64-64 EC8 Registered Smart Memory Kit	P83820-B21
HPE 64GB (1x64GB) Dual Rank x4 DDR5-8000 CAS-64-64-64 EC8 Registered Smart Memory Kit	P83822-B21
HPE 96GB (1x96GB) Dual Rank x4 DDR5-8000 CAS-64-64-64 EC8 Registered Smart Memory Kit	P83824-B21

Multiplexed Rank DIMM (MRDIMM)

Standalone memory kit

HPE 64GB (1x64GB) Quad Rank x8 DDR5-128/64 CAS-52-52-52 EC8 Multiplexed Rank Smart Memory Kit	P83880-B21
HPE 128GB (1x128GB) Quad Rank x8 DDR5-128/64 CAS-52-52-52 EC8 Multiplexed Rank Smart Memory Kit	P84349-B21

Notes: The -B21 memory SKUs shown in this document are to be used when ordering standalone memory only. For each -B21 SKU, there is a corresponding -F21 SKU which is to be used when configuring servers with integrated memory DIMMs.

Storage

Storage RAID Controllers

HPE MR216i-o Gen11 x16 Lanes without Cache OCP SPDM Storage Controller	P47789-B21
HPE MR216i-p Gen11 x16 Lanes without Cache PCI SPDM Plug-in Storage Controller	P47785-B21
HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller	P58335-B21
HPE MR408i-p Gen11 x8 Lanes 4GB Cache PCI SPDM Plug-in Storage Controller	P74775-B21
HPE MR416i-o Gen11 x16 Lanes 8GB Cache OCP SPDM Storage Controller	P47781-B21
HPE MR416i-p Gen11 x16 Lanes 8GB Cache PCI SPDM Plug-in Storage Controller	P47777-B21
HPE Smart Array E208e-p SR Gen10 (8 External Lanes/No Cache) 12G SAS PCIe Plug-in Controller	804398-B21

Smart Storage Batteries

HPE 16W Smart Hybrid Capacitor with 145mm Cable	P65038-B21
HPE 96W Smart Storage Lithium-ion Battery with 145mm Cable Kit	P01366-B21

Boot Devices

HPE NS204mff Hot Plug Platform Custom Zone Boot Device Controller	P90337-B21
HPE NS204mff 960GB NVMe Self-encrypting Drive Hot Plug Drive Module	P90343-B21
HPE NS204mff EDSFF E3.S 2T Location Adapter	P90347-B21

Drive Cages, Backplanes, and Cables

HPE ProLiant Gen13 1U 4EDSFF x4 Drive Cage Kit	P96924-B21
HPE ProLiant Gen13 NS204mff 1U Front OCP Cage Kit	P96926-B21
HPE ProLiant Gen13 Front NS204mff 0.6m Cable Kit	P96932-B21
HPE ProLiant Gen13 Rear NS204mff 0.1m Cable Kit	P96933-B21
HPE ProLiant DL525 Gen13 Storage Controller Voltage Backup Cable Kit	P96935-B21
HPE ProLiant Gen13 x8 NVMe 0.6m PCIe Gen6 Direct Attach Straight Cable Kit	P96936-B21
HPE ProLiant Gen13 x8 NVMe 0.7m PCIe Gen6 Direct Attach Straight Cable Kit	P96937-B21
HPE ProLiant Gen13 x8 NVMe 0.9m PCIe Gen6 Direct Attach Straight Cable Kit	P96938-B21
HPE ProLiant Gen13 OROC to MXIO x8 0.9m Straight Cable Kit	P96940-B21
HPE ProLiant Gen13 PCIe Controller to MXIO x8 1m Straight Cable Kit	P96944-B21
HPE ProLiant Gen13 EDSFF Backplane 0.8m Power Splitter Cable Kit	P96949-B21
HPE ProLiant Gen13 EDSFF Backplane 0.8m Power Straight Cable Kit	P96950-B21

EDSFF CTO Server

		Drive Cages		NVMe DA Cables			Ctrlr Cables					Power Cables	
Chassis Options	Storage Configurations	4EDSFF x4	4EDSFF x2	P96936-B21	P96937-B21	P96938-B21	P96940-B21	P96941-B21	P96944-B21	P96945-B21	P96948-B21	P96949-B21	P96950-B21
Up to 4 E3.S NVMe Drives	4E3.S x4 NVMe DA	1		2								1	
	4E3.S x2 to MR408/MRx16i-o*		1				1					1	
	4E3.S x2 to MR408/MRx16i-p*		1						1			1	
	4E3.S x4 to MRx16i-o	1					2					1	
	4E3.S x4 to MRx16i-p	1							2			1	
Up to 8 E3.S NVMe Drives	8E3.S x4 NVMe DA	2		2	2							1	
	8E3.S x1 to MR408/MRx16i-o*		2					1				1	
	8E3.S x1 to MR408/MRx16i-p*		2							1		1	
	8E3.S x2 to MRx16i-o*		2				2					1	
	8E3.S x2 to MRx16i-p*		2						2			1	
	8E3.S x4 to MR932i-p*	2									4	1	
Up to 16 E3.S NVMe Drives	12E3.S x4 NVMe DA	3		4	2							2	
	16E3.S x2 NVMe DA*		4	3	1							2	
	16E3.S x4 NVMe DA	4		4	2	2						2	
	16E3.S x1 to MRx16i-o *		4					2				2	
	16E3.S x1 to MRx16i-p*		4							2		2	
	16E3.S x2 to MR932i-p*		4								4	2	
	16E3.S x4 to 2* MR932i-p*	4									8	2	
	8E3.S x4 NVMe DA + 8E3.S x2 to MRx16i-o*	2	2	2	2		2					2	
	8E3.S x4 NVMe DA + 8E3.S x4 to MR932i-p*	4		2	2						4	2	
Up to 20 E3.S NVMe Drives	18E3.S x4 NVMe DA	5		4	2	3						2	1
	20E3.S x2 NVMe DA*		5	3	2							2	1

Notes: * Configurations will be available in CQ1 2027.

Front FHFL PCIe CTO Server

		Drive Cages		NVMe DA Cables		Ctrlr Cables		Power Cables	
Chassis Options	Storage Configurations	4EDSFF x4	4EDSFF x2	P96936-B21	P96938-B21	P96940-B21	P96944-B21	P96948-B21	P96949-B21
2 Front FHFL PCIe Slots	4E3.S x4 NVMe DA	1		2					1
	4E3.S x2 to MR408/MRx16i-o*		1			1			1
	4E3.S x2 to MR408/MRx16i-p*		1				1		1
	4E3.S x4 to MRx16i-o	1				2			1
	4E3.S x4 to MRx16i-p	1					2		1
	6E3.S x4 NVMe DA	2		2	1				1
	8E3.S x2 NVMe DA*		2	2					1
	8E3.S x2 to MRx16i-o*		2			2			1
	8E3.S x2 to MRx16i-p*		2				2		1
	8E3.S x4 to MR932i-p*	2						4	1
4 Front FHFL PCIe Slots	4E3.S x2 NVMe DA*		1		1				1
	4E3.S x2 to MR408/MRx16i-o*		1			1			1
	4E3.S x2 to MR408/MRx16i-p*		1				1		1
	4E3.S x4 to MRx16i-o	1				2			1
	4E3.S x4 to MRx16i-p	1					2		1
	8E3.S x2 to MRx16i-o*		2			2			1
	8E3.S x2 to MRx16i-p*		2				2		1
	8E3.S x4 to MR932i-p*	2						4	1

Notes: Configurations will be available in CQ1 2027.

HPE Drives

EDSFF E3.S 1T Solid State Drives

Read Intensive Drives

HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	P70392-B21
HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	P70395-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	P70397-B21
HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P70674-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P79122-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88539-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88541-B21

HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88543-B21
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86024-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86026-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86028-B21
HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86030-B21
HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86032-B21
HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	P85739-B21
HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	P85741-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	P85743-B21
HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	P85745-B21
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	P87719-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	P87721-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	P87723-B21
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	P85121-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	P85124-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	P85126-B21
HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	P85128-B21
HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 EDSFF SPDM 9550 SSD	P79965-B21
HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	P78789-B21
HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	P78791-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	P78793-B21
HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	P78923-B21
HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91229-B21
HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91231-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91233-B21
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91090-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91092-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91094-B21
HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91096-B21
Mixed Use Drives	
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	P70399-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	P70401-B21
HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	P70403-B21
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P70669-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P70672-B21
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88535-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88537-B21
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin PQC27 CD9P SSD	P86016-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin PQC27 CD9P SSD	P86018-B21
HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin PQC27 CD9P SSD	P86020-B21
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	P85731-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	P85733-B21
HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	P85735-B21
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	P87715-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	P87717-B21

HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	P85114-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	P85117-B21
HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	P85119-B21
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	P78784-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	P78787-B21
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91098-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91100-B21
HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91102-B21
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91084-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91086-B21
HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91088-B21

Very Read Optimized

HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 Self-encrypting 6600 SSD	P86746-B21
HPE 122.8TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 Self-encrypting 6600 SSD	P86748-B21

Risers

Config	Detail	Riser Kits
1	1 x16 FHHL, optional DLC	P96927-B21
2	2 x16 FHHL	P96927-B21 + P96928-B21
3	1 x16 FHHL + 1 x8 HHHL, optional DLC	P96927-B21 + P96959-B21 + P96931-B21
4	1 x16 + 2 x8 HHHL	P96929-B21 + 2x P96930-B21

HPE ProLiant DL525 Gen13 1U x16 Full Height Plug-in Riser Cage Kit	P96927-B21
HPE ProLiant DL525 Gen13 1U x16 Full Height Captive Riser Cage Kit	P96928-B21
HPE ProLiant DL525 Gen13 1U x16 Low Profile Captive Riser Cage Kit	P96929-B21
HPE ProLiant DL525 Gen13 1U x8 Low Profile Captive Riser Cage Kit	P96930-B21
HPE ProLiant DL525 Gen13 1U x8 Low Profile Captive Riser Kit	P96959-B21
HPE ProLiant Gen13 1U Secondary Direct Liquid Cooling Cage Kit	P96931-B21
HPE ProLiant DL525 Gen13 x2 PCIe 16-slot Front Riser Kit	P96960-B21

Networking

HPE Ethernet Adapters

PCIe Stand up

Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T Adapter for HPE	P51178-B21
Broadcom BCM57412 Ethernet 10Gb 2-port BASE-T Adapter for HPE	P84296-B21
Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ Adapter for HPE	P26259-B21
Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P42044-B21
Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 Dual Rate Adapter for HPE	P93114-B21
Intel E835-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P76851-B21
AMD Solarflare X4522-PLUS 10/25GbE 2-port SFP56 Adapter for HPE	P87940-B21
Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	P26264-B21

Intel E835-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	P76857-B21
Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	P25960-B21
Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE	P73111-B21
Intel E835-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	P76863-B21
HPE Slingshot SA410S 400GbE 1-port QSFP PCIe5 HHHL NIC	R9Y95A
AMD Pollara Ethernet 400Gb 1-port Adapter for HPE	S6U37A

OCP 3.0

Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	P51181-B21
Intel E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	P79833-B21
Broadcom BCM57412 Ethernet 10Gb 2-port BASE-T OCP3 Adapter for HPE	P84299-B21
Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE	P26256-B21
Intel E835-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P76848-B21
Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 OCP3 Dual Rate Adapter for HPE	P93117-B21
Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P42041-B21
Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE	P26269-B21
Intel E835-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE	P76854-B21
Intel E835-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	P76860-B21
Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE	P73114-B21

HPE InfiniBand Adapters

PCIe Stand up

HPE InfiniBand XDR400/Ethernet 400GbE 2-port QSFP112 PCIe6 x16 HHHL CX8 Crypto Adapter	P79115-H21
HPE InfiniBand XDR/Ethernet 2x400GbE 1-port OSFP PCIe6 x16 HHHL CX8 Crypto Adapter	P79114-H21
HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter	P65333-H21

DPU

HPE Data Processing Unit InfiniBand NDR200/Ethernet 200Gb 2-port QSFP112 FHHL B3220 Adapter	P66386-H21
HPE Data Processing Unit InfiniBand NDR/Ethernet 400Gb 1-port QSFP112 HHHL B3140H Adapter	P66387-H21
HPE ProLiant Gen13 DPU 8-pin 0.2m ATX Power Cable Kit	P96958-B21

HPE Fibre Channel Host Bus Adapter

HPE SN1620E 32Gb 2p FC SecureHBA	S4S01A
HPE SN1720E 64Gb 2p FC SecureHBA	S4T09A

Graphics Options

GPU	Form Factor	Max Qty	Location	Power Cable	Max Power
RTX PRO 6000	Double width FHFL	2	Front	P96956-B21 (per GPU)	450W each
RTX PRO 4500	Single width FHFL	4	Front	P96954-B21 (per GPU)	165W each
L4	Single width HHHL	3	Rear	NA	72W each

NVIDIA L4 24GB PCIe Accelerator for HPE	S0K89C
NVIDIA RTX PRO 6000 Blackwell Server Edition 96GB PCIe Accelerator for HPE	S6A73C
NVIDIA RTX PRO 4500 Blackwell Server Edition 32GB PCIe Accelerator for HPE	S6W30C

Power Cables

HPE ProLiant DL525 Gen13 GPU PCIe 16-pin 0.6m 400W Power Cable Kit	P96953-B21
HPE ProLiant DL525 Gen13 GPU PCIe 8-pin 0.6m 400W Power Cable Kit	P96954-B21
HPE ProLiant DL525 Gen13 GPU PCIe 16-pin 0.6m 600W Power Cable Kit	P96956-B21
HPE ProLiant DL525 Gen13 0.6m Front Riser 75W Power Cable Kit	P96957-B21

Power and Cooling

Solution	CPU TDP	HeatSink	Air Baffle	FANs
Air Cooling	300	Standard	X	Performance
	400-600	Performance		Performance
Liquid Cooling	300-600	DLC CPM	X	Performance

Air Cooling Solution

HPE ProLiant Gen13 1U High Performance Fan Kit	P96961-B21
HPE ProLiant DL525 Gen13 Standard Heat Sink Kit	P96962-B21
HPE ProLiant DL525 Gen13 Performance Heat Sink Kit	P96963-B21
HPE ProLiant DL525 Gen13 Air Baffle Kit	P96965-B21

Direct Liquid Cooling Options

HPE ProLiant DL525 Gen13 Direct Liquid Cooling Cold Plate Module FIO Kit	P96964-B21
HPE ProLiant Gen13 Direct Liquid Cooling 0.45m QUD04 Female Tube Set FIO Kit	P96621-B21
HPE ProLiant Gen13 Direct Liquid Cooling 0.45m QUD04 Female to SCG03 Male Tube Set FIO Kit	P96623-B21

Ambient Temperature

HPE ProLiant Compute 30C Maximum Recommended Ambient Temperature Configuration Tracking	P79552-B21
HPE ProLiant Compute 27C Maximum Recommended Ambient Temperature Configuration Tracking	P79555-B21
HPE ProLiant Compute 25C Maximum Recommended Ambient Temperature Configuration Tracking	P79558-B21

Notes: 30C is default. Please select 25C or 27C if the system requires lower ambient temperature.

Power Supplies

HPE's M-CRPS power supplies are certified for high-efficiency operation and offer multiple power output options—both high-line and low-line—enabling users to right-size the power supply for specific server configurations. In addition to more secure firmware upgrades, and ease of serviceability, their flexibility helps reduce power waste, lower overall energy costs, and prevent "trapped" power capacity in the data center. HPE M-CRPS power supplies are available in two physical design options (73.5mm and 60mm widths), allowing for hot-plug, tool-less installation into select HPE ProLiant Gen13 Performance Servers.
For information on power specifications and technical content, visit HPE Server power supplies.
To determine the power requirements for your configuration, please use the HPE Power Advisor Tool. For information on power cord specifications, visit the HPE Power Cords and Cables guide.

HPE 1000W M-CRPS Titanium Hot Plug Power Supply Kit	P67240-B21
HPE 1500W M-CRPS Titanium Hot Plug Power Supply Kit	P67244-B21
HPE 2400W M-CRPS Titanium Hot Plug Power Supply Kit	P67252-B21
HPE 2800W M-CRPS 277VAC Titanium Hot Plug Power Supply Kit	P78196-B21
HPE 3200W M-CRPS Titanium Hot Plug Power Supply Kit	P67248-B21
Notes: Mixing different types of power supplies within a server domain is not supported.	
HPE 1300W M-CRPS -48VDC Hot Plug Power Supply Kit	P82412-B21
HPE 1000-1300W -48VDC Power Lug Kit	P79845-B21
HPE 2200W M-CRPS -48VDC Hot Plug Power Supply Kit	P73210-B21
HPE 2000-2200W -48VDC Power Lug Kit	P79839-B21

Power Cords

For more Power Cords options, please refer to "HPE One Config Advance".
If any optional Power Cords are ordered, then the quantity must be equal to the total number of Power Supplies on the order. All pre-configured servers include a power cord. If a different power cord is required, please visit ProLiant Power Cables.

Security Options

HPE Trusted Supply Chain for HPE ProLiant	P36394-B21
Notes: Learn more at http://www.hpe.com/security.	
HPE ProLiant Gen13 1U Intrusion Cable Kit	P96934-B21
HPE ProLiant Gen11 1U Common Bezel Kit	P50450-B21
HPE Bezel Lock Kit	875519-B21

Accessories

HPE ProLiant Compute DL3X0 Gen12 SP MHS Serial Port Enablement Kit	P71432-B21

Rack Options

CTO Server	Rail Kit	CMA
EDSFF	P88040-B21	P69775-B21
Front FHFL PCIe	P82289-B21	P86408-B21

HPE ProLiant Gen13 Easy Install Rail 19 Kit	P88040-B21
HPE ProLiant Gen13 Easy Install Rail 16 Kit	P82289-B21
HPE ProLiant Gen13 1U Cable Arm Management 1 for Easy Install Rail Kit	P69775-B21
HPE ProLiant Gen13 1U Cable Arm Management 3 for Easy Install Rail Kit	P86408-B21

Rack and Power Infrastructure

The story may end with servers, but it starts with the foundation that makes compute go – and business grow. We've reinvented our entire portfolio of rack and power products to make IT infrastructure more secure, more practical, and more efficient. In other words, we have created a stronger, smarter, and simpler infrastructure to help you get the most out of your IT equipment. As an industry leader, Hewlett Packard Enterprise is uniquely positioned to address the key concerns of power, cooling, cable management and system access.

HPE G2 Advanced and Enterprise Racks are perfect for the server room or today's modern data center with enhanced airflow and thermal management, flexible cable management, and a 10-year Warranty to support higher density computing.
HPE G2 PDUs offer reliable power in flexible form factors that operate at temperatures up to 60°C, include color-coded outlets and load segments and a low-profile design for optimal access to the rack and support for dense rack environments.

HPE Uninterruptible Power Systems are cost-effective power protection for any type of workload. Some UPSs include options for remote management and extended runtime modules, so your critical dense data center is covered in power outages.

HPE KVM Solutions include a console and switches designed to work with your server and IT equipment reliably. We've got a cost-effective KVM switch for your first rack and multiple-connection IP switches with remote management and security capabilities to keep your data center rack up and running.

Learn more about HPE Racks, KVM, PDUs and UPSs at HPE Rack and Power Infrastructure.

Software as a Service Management

HPE Compute Ops Management

HPE Compute Ops Management Standard 3-year Upfront ProLiant SaaS	R7A11AAE
HPE Compute Ops Management Standard 5-year Upfront ProLiant SaaS	R7A12AAE
HPE Compute Cloud Management Server FIO Enablement	S1A05A
HPE Compute Ops Management Standard with ProLiant Enablement	S2R34AAE
HPE Compute Ops Management Advanced 3-year Upfront ProLiant SaaS	S5E59AAE
HPE Compute Ops Management Advanced 5-year Upfront ProLiant SaaS	S5E60AAE
HPE Compute Ops Management Advanced 7-year Upfront ProLiant SaaS	S5E61AAE
HPE Compute Ops Management Standard 7-year Upfront ProLiant SaaS	S2E10AAE
HPE Compute Ops Management Advanced Flex with ProLiant Enablement	S6C28AAE

For more information, visit the HPE Compute Ops Management QuickSpecs:
https://www.hpe.com/psnow/doc/a50004263enw

Supported Servers – CTO only. No OEM. – Complete list can be found here: Latest Supported Server List: https://www.hpe.com/info/com-supported-servers

Server Management Software

iLO Advanced

HPE iLO Advanced Electronic License with 1yr Support on iLO Licensed Features	E6U59ABE
HPE iLO Advanced Electronic License with 3yr Support on iLO Licensed Features	E6U64ABE
HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features	BD505A
HPE iLO Advanced AKA Tracking License with 3yr Support on iLO Licensed Features	BD507A
HPE iLO Advanced 1-server License with 1yr Support on iLO Licensed Features	512485-B21
HPE iLO Advanced AKA Tracking License with 1yr Support on iLO Licensed Features	512487-B21

OneView Management Software

HPE OneView w/o iLO including 3yr 24x7 Support Track 1-server LTU	P8B25A
HPE OneView w/o iLO including 3yr 24x7 Support Flexible Quantity E-LTU	P8B26AAE
HPE OneView w/o iLO including 3yr 24x7 Support 1-server FIO LTU	P8B31A
HPE OneView including 3yr 24x7 Support Flexible Quantity E-LTU	E5Y35AAE
HPE OneView including 3yr 24x7 Support Track 1-server LTU	E5Y36A
HPE OneView for ProLiant DL Server including 3yr 24x7 Support FIO Bundle Physical 1-server LTU	E5Y43A
HPE OneView for ProLiant DL Server including 3yr 24x7 Support Bundle Track 1-server LTU	E5Y44A

HPE Support Service

Installation and Start-up Services

HPE ProLiant DL/ML Install Service	U4554E
HPE ProLiant DL/ML Ons Startup Service	U4555E

Tech Care

HPE 3 Year Tech Care Basic DL525 Gen13 HW Service	H59SRE
HPE 3 Year Tech Care Basic wDMR DL525 Gen13 HW Service	H59SSE
HPE 3 Year Tech Care Basic wCDMR DL525 Gen13 HW Service	H59STE
HPE 3 Year Tech Care Basic wGDMR DL525 Gen13 Service	H59SVE
HPE 3 Year Tech Care Essential DL525 Gen13 HW Service	H59SWE
HPE 3 Year Tech Care Essential wDMR DL525 Gen13 HW Service	H59SXE
HPE 3 Year Tech Care Essential wCDMR DL525 Gen13 HW Service	H59SYE
HPE 3 Year Tech Care Essential wGDMR DL525 Gen13 Service	H59SZE
HPE 3 Year Tech Care Critical for DL525 Gen13 HW Service	H59TBE
HPE 3 Year Tech Care Critical wDMR DL525 Gen13 HW Service	H59TCE
HPE 3 Year Tech Care Critical wCDMR DL525 Gen13 HW Service	H59TDE
HPE 3 Year Tech Care Critical wGDMR DL525 Gen13 Service	H59TFE
HPE 4 Year Tech Care Basic DL525 Gen13 HW Service	H59TGE
HPE 4 Year Tech Care Basic wDMR DL525 Gen13 HW Service	H59THE
HPE 4 Year Tech Care Basic wCDMR DL525 Gen13 HW Service	H59TJE
HPE 4 Year Tech Care Basic wGDMR DL525 Gen13 Service	H59TKE
HPE 4 Year Tech Care Essential DL525 Gen13 HW Service	H59TLE
HPE 4 Year Tech Care Essential wDMR DL525 Gen13 HW Service	H59TME
HPE 4 Year Tech Care Essential wCDMR DL525 Gen13 HW Service	H59TNE
HPE 4 Year Tech Care Essential wGDMR DL525 Gen13 Service	H59TQE
HPE 4 Year Tech Care Critical for DL525 Gen13 HW Service	H59TRE
HPE 4 Year Tech Care Critical wDMR DL525 Gen13 HW Service	H59TSE
HPE 4 Year Tech Care Critical wCDMR DL525 Gen13 HW Service	H59TTE
HPE 4 Year Tech Care Critical wGDMR DL525 Gen13 Service	H59TVE
HPE 5 Year Tech Care Basic DL525 Gen13 HW Service	H59TWE
HPE 5 Year Tech Care Basic wDMR DL525 Gen13 HW Service	H59TXE
HPE 5 Year Tech Care Basic wCDMR DL525 Gen13 HW Service	H59TYE
HPE 5 Year Tech Care Basic wGDMR DL525 Gen13 Service	H59TZE
HPE 5 Year Tech Care Essential DL525 Gen13 HW Service	H59VBE
HPE 5 Year Tech Care Essential wDMR DL525 Gen13 HW Service	H59VCE
HPE 5 Year Tech Care Essential wCDMR DL525 Gen13 HW Service	H59VDE
HPE 5 Year Tech Care Essential wGDMR DL525 Gen13 Service	H59VFE
HPE 5 Year Tech Care Critical for DL525 Gen13 HW Service	H59VGE
HPE 5 Year Tech Care Critical wDMR DL525 Gen13 HW Service	H59VHE
HPE 5 Year Tech Care Critical wCDMR DL525 Gen13 HW Service	H59VJE
HPE 5 Year Tech Care Critical wGDMR DL525 Gen13 Service	H59VKE
HPE 6 Year Tech Care Basic DL525 Gen13 Service	H59VLE
HPE 6 Year Tech Care Basic wDMR DL525 Gen13 Service	H59VME
HPE 6 Year Tech Care Essential DL525 Gen13 Service	H59VNE
HPE 6 Year Tech Care Essential wDMR DL525 Gen13 Service	H59VQE
HPE 7 Year Tech Care Basic DL525 Gen13 Service	H59VRE

Supported Options

HPE 7 Year Tech Care Basic wDMR DL525 Gen13 Service	H59VSE
HPE 7 Year Tech Care Essential DL525 Gen13 Service	H59VTE
HPE 7 Year Tech Care Essential wDMR DL525 Gen13 Service	H59VVE

Operating Systems and Virtualization Software Support for HPE Servers

HPE servers are designed for seamless integration with partner Operating Systems and Virtualization Software. By collaborating closely with our partners, we ensure that their products are optimized, certified, and fully supported within your HPE server environment.

Access the certified and supported servers for each of the OS and Virtualization software: HPE Servers Support & Certification Matrices

HPE Server UEFI

Unified Extensible Firmware Interface (UEFI) is an industry standard that provides better manageability and more secured configuration than the legacy ROM while interacting with your server at boot time. HPE ProLiant Gen13 servers have a UEFI Class 3 implementation to support UEFI Mode.

Notes: The UEFI System Utilities tool is analogous to the HPE ROM-Based Setup Utility (RBSU) of legacy BIOS. For more information, please visit https://www.hpe.com/servers/uefi.

UEFI enables numerous new capabilities specific to HPE ProLiant servers such as:

- Secure Boot and Secure Start enabled for enhanced security.
- Operating system specific functionality.
- Support for > 2.2 TB (using GPT) boot drives.
- Embedded UEFI Shell.
- Mass Configuration Deployment Tool using iLO RESTful API that is Redfish API Conformant.
- PXE boot support for IPv6 networks.
- Workload Profiles for simple performance optimization.

UEFI Boot Mode only

- TPM 2.0 Support.
- NVMe Boot Support.
- iSCSI Software Initiator Support.
- HTTP/HTTPs Boot support as a PXE alternative.
- Boot support for option cards that only support a UEFI option ROM.

Notes: For UEFI Boot Mode, boot environment and OS image installations should be configured properly to support UEFI.

HPE Compute Ops Management

Transform compute lifecycle management with a cloud experience that delivers greater simplicity, agility, and speed across your entire server environment, wherever it lives. This software-as-a-service tool provides a dashboard with global visibility and intuitive management of server health, security and compliance status to help you easily identify areas that need immediate attention. Users can update tens to thousands of servers faster through intelligent delta-based firmware downloads and on-demand HPE iLO firmware updates.

HPE Compute Ops Management is cloud-native software that is continually updated with new services, features, patches, and firmware packs. The management application resides in GreenLake (access via https://common.cloud.hpe.com) and leverages the GreenLake architecture, security, and unified operations.

A 3-year subscription to HPE Compute Ops Management is added by default when ordering an HPE ProLiant Gen13 rack or tower server.

For more information, visit the HPE Compute Ops Management QuickSpecs:
https://www.hpe.com/psnow/doc/a50004263enw

Embedded Management

HPE Integrated Lights-Out (HPE iLO)

Monitor your servers for ongoing management, service alerting, reporting and remote management with HPE iLO.
Learn more at https://www.hpe.com/info/iLO.

UEFI

Configure and boot your servers securely with industry standard Unified Extensible Firmware Interface (UEFI).

OpenBMC Support

OpenBMC Capable through iLO7 Transfer of Ownership Process.
Learn more at OpenBMC Support

Intelligent Provisioning

Hassle free server and OS provisioning for 1 or more servers with Intelligent Provisioning.
Learn more at HPE Intelligent Provisioning.
Notes: Please refer to Advisory: HPE ProLiant Compute Gen12 Servers - HPE Intelligent Provisioning 5.00 Is Available with Limited Feature Support.

iLO RESTful API

iLO RESTful API is DMTF Redfish API implementation and offers simplified server management automation such as configuration and maintenance tasks based on modern industry standards. Learn more at https://www.hpe.com/info/restfulapi.

Server Utilities

Active Health System

The HPE Active Health System (AHS) is an essential component of the iLO management portfolio that provides continuous, proactive health monitoring of HPE servers.

Active Health System Viewer

Use the Active Health System Viewer, a web-based portal, to easily read AHS logs and speed problem resolution with HPE self-repair recommendations. To learn more, visit http://www.hpe.com/servers/ahsv.

Smart Update

Keep your servers up to date with the HPE Smart Update solution by using Smart Update Manager (SUM) to optimize the firmware and driver updates of the Service Pack for ProLiant (SPP).

Next-gen Smart Update Manager: A modern and intuitive experience for simplifying server updates while maintaining the reliable functionality customers depend on today. Learn more.

HPE iLO Mobile Application

Enables the ability to access, deploy, and manage your server anytime from anywhere from select smartphones and mobile devices. For additional information, please visit: http://www.hpe.com/info/ilo/mobileapp.

RESTful Interface Tool

RESTful Interface tool (iLOREST) is a single scripting tool to provision using iLO RESTful API to discover and deploy servers at scale. Learn more at http://www.hpe.com/info/resttool.

HPE OneView Standard

HPE OneView is an on-premises, multi-generational server monitoring, and management solution. HPE OneView Standard can be used for inventory, health monitoring, alerting, and reporting without additional fees. Customers can upgrade their management experience with an HPE OneView Advanced license, all provided by the same tool. Learn more at https://www.hpe.com/us/en/software/oneview.html.

Security

From pioneering the industry's silicon root of trust to advancing post-quantum cryptography readiness, HPE has consistently set the standard for secure infrastructure. With HPE ProLiant Gen13, we are setting the next standard for infrastructure security. Protection that is automatic. Trust that is continuously verified. Security that is built for the threats of tomorrow.

Experience unparalleled security benefits with HPE ProLiant Gen13 servers, designed to enhance your infrastructure's security and performance. These servers come equipped with cutting-edge embedded security features, ensuring robust protection for your critical data and applications. Key features include:

- **HPE Integrated Lights-Out (HPE iLO 8) with secure enclave:** A robust security foundation, ensures that every layer of firmware and software loads securely and is verified from the moment the server is powered, providing an unbreakable chain of trust. Includes embedded security features for monitoring, service alerting, reporting, and remote management.
- **Auto Self Encrypting Drives:** Industry-first infrastructure engineered to self-secure from day one. Protecting data automatically, at first boot, everywhere.
- **Enhanced Server Data Security:** Encryption and key management, iLO Managed Encryption, UEFI-managed encryption, and self-encrypting drives (SED) for enhanced data-at-rest protection.
- **Sanitize Data with One-Button Secure Erase:** This method complies with NIST SP 800-88 guidelines for media sanitization, ensuring the secure decommissioning of servers.
- **PQC Readiness & Expanded Industry Security Compliance:** Adherence to standards such as FIPS 140-3, NIST SP 800-53, NIST SP 800-171, and NIST SP 800-88.
- **HPE Compute Ops Management:** Provides an intuitive cloud operating experience, ensuring streamlined and highly secure operations.
- **Physical Security Options:** System maintenance switch, USB security, rack and power security, bezel lock, and chassis intrusion detection switch.
- **HPE Trusted Supply Chain:** HPE Trusted Supply Chain offers enhanced security and compliance for organizations worldwide. Servers built with this option undergo rigorous inspections and checkpoints to detect and mitigate malicious microcode and counterfeit parts throughout the server build and lifecycle.

Please refer to the HPE ProLiant Gen13 Embedded Security QuickSpecs document for more detailed information at: https://www.hpe.com/psnow/doc/a50009218enw.

HPE Trusted Platform Module

Enabling HPE Trusted Platform Module (TPM) 2.0 no longer requires TPM module option kit for Gen12. It is an embedded feature for global shipments. User may manually disable TPM2.0 from the BIOS setting.

Notes: The TPM (Trusted Platform Module) is a microcontroller chip that can securely store artifacts used to authenticate the server platform. These artifacts can include passwords, certificates, and encryption keys.

HPE Services

HPE provides a portfolio of support, deployment, and lifecycle management services designed to help customers maximize the value, performance, and availability of their HPE infrastructure. HPE Complete Care Service provides a highly personalized support experience with proactive guidance and expert-led lifecycle management, while HPE Tech Care Service provides fast access to product specialists and flexible response options tailored to operational needs. Both HPE Complete Care Service and HPE Tech Care Service are available with defective media retention, comprehensive defective material retention, and GPU defective material recovery options.
Beyond support, HPE Lifecycle Services help customers deploy and optimize their environments with confidence. From HPE Factory Express services that streamline system configuration and integration before delivery, to Installation and Startup Services that accelerate time to value. For the latest information on HPE Services, please refer to the HPE Services - Supplemental QuickSpecs | HPE, which provides a comprehensive and regularly updated overview of available services.
https://www.hpe.com/services

HPE Managed Services

HPE runs your IT operations, providing services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.
HPE Managed Services | HPE

Support Services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources. Meet service-level targets and business objectives with features designed to drive better business outcomes.
https://www.hpe.com/services/operational

HPE Complete Care Service https://www.hpe.com/services/completecare

HPE Tech Care Service https://www.hpe.com/services/techcare

HPE Lifecycle Services https://www.hpe.com/services/lifecycle

Consulting Services

No matter where you are in your journey to hybrid cloud, experts can help you map out your next steps. From determining what workloads should live where, to handling governance and compliance, to managing costs, our experts can help you optimize your operations.
https://www.hpe.com/services/consulting

Hybrid Cloud Services Hybrid Cloud Services

HPE AI Services AI Services

HPE Data Services Data Services

HPE Data Center Modernization Services Data Center Modernization Services

HPE Data Center Services Data Center Services

HPE IT Sustainability Services IT Sustainability Services

HPE Networking Services Networking Services

HPE Cybersecurity Services Cybersecurity Services

HPE Transformation Services Transformation Services

Other Related Services from HPE Services

Customer Training from HPE Education Services https://www.hpe.com/services/training

Defective Media Retention

Parts and Materials

AI Powered and Digitally Enabled Support Experience

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

- – Streamline IT Operations across compute, storage, and networking without the chaos.
- – Unify and secure data, as you move faster.
- – Accelerate AI, from pilot to production.

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

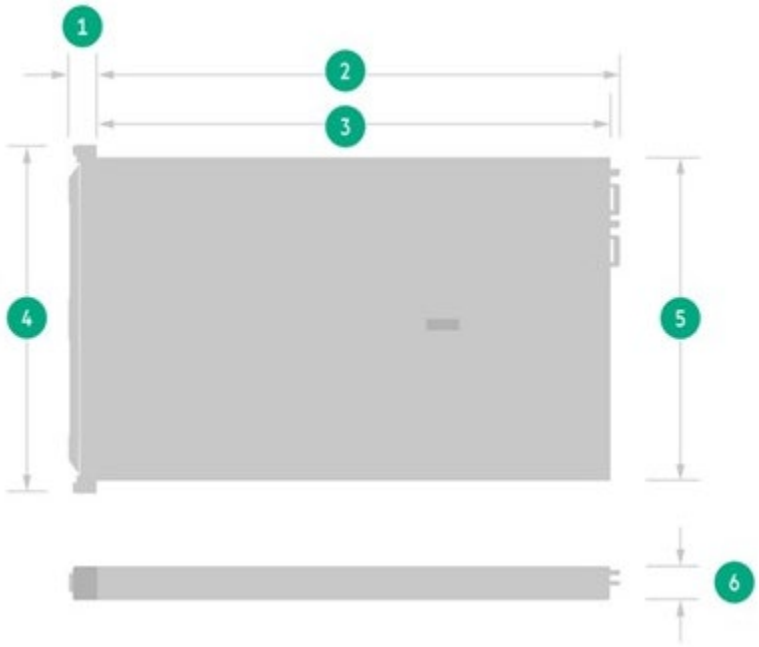
Warranty

This product is covered by a global limited warranty and supported by HPE Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners resellers. Hardware diagnostic support and repair is available for three years from date of purchase. Support for software and initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HPE Services operational services or customized service agreements. Hard drives have either a one year or three-year warranty; refer to the specific hard drive QuickSpecs for details.

Notes: Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response. Warranty repairs may be completed using Customer Self Repair (CSR) parts. These parts fall into two categories: 1) Mandatory CSR parts are designed for easy replacement. A travel and labor charge will result when customers decline to replace a Mandatory CSR part; 2) Optional CSR parts are also designed for easy replacement but may involve added complexity. Customers may choose to have Hewlett Packard Enterprise replace Optional CSR parts at no charge. Additional information regarding worldwide limited warranty and technical support is available at:
https://www.hpe.com/support/ProLiantServers-Warranties

System Unit

Dimension



Item	Description	EDSFF CTO Server	Front FHFL PCIe CTO Server
1	Front bezel to rearmost edge of chassis ear	39.3 mm (1.5 inch)	
2	Rearmost edge of chassis ear of M-CRPS	820 mm (32.3 inch)	946 mm (37.3 inch)
3	Rearmost edge of chassis ear to server rear I/O	786 mm (30.9)	912 mm (35.9 inch)
4	Rear width	448 mm (17.6 inch)	
5	Front width: ear to ear	482 mm (19.0 inch)	
6	Height	42.9 mm (1.7 inch)	

Weight

CTO Server	System Configuration	Max Weight (approximate)
EDSFF CTO server	1 CPU, 16 DDR5 DIMMs, 20 E3.S drives, 2 M-CRPS, 7 Fans	22.25 KG (49.05 lb.)
Front FHFL PCIe CTO server	1 CPU, 16 DDR5 DIMMs, 8 E3.S drives, 2 M-CRPS, 7 Fans, 2 GPUs	25.35 KG (55.9 lb.)

Input Requirements (per power supply)

Rated Line Voltage:

- 100 to 120 VAC.
- 200 to 240 VAC.

BTU Rating

Maximum

- 3200W M-CRPS Power Supply: 5132 (at 100 VAC), 11713 (at 230 VAC).
- 2800W M-CRPS Power Supply: 9830 (at 100 VAC), 10250 (at 208 VAC).
- 2400W M-CRPS Power Supply: 4268 (at 100 VAC), 8532 (at 240 VAC).
- 1500W M-CRPS Power Supply: 3792 (at 100 VAC), 5560 (at 200 VAC).
- 1000W M-CRPS Power Supply: 3044 (at 100 VAC), 3680 (at 200 VAC).

Power Supply Output (per power supply)

- Rated Steady-State Power:
  - 3200W M-CRPS Power Supply: 1600 W (at 100 to 127 VAC), 3200 W (at 200 to 240 VAC)
  - 2800W M-CRPS Power Supply: 2800W (at 200 to 277 VAC)
  - 2400W M-CRPS Power Supply: 1200W (at 100-127 VAC), 2400W (at 200-240 VAC), 2400W (at 240 VDC) input for China only.
  - 1500W M-CRPS Power Supply: 1000W (at 100 VAC), 1100W (at 110-120 VAC), 1500W (at 200-240 VAC), 1500W (at 240 VDC) input for China only.
  - 1000W M-CRPS Power Supply: 800W (at 100-120 VAC), 1000W (at 200-240 VAC), 1000W (at 240 VDC) input for China only.

- Maximum Peak Power:
  - 3200W M-CRPS Power Supply: 1600 W (at 100 to 127 VAC), 3200 W (at 200 to 240 VAC)
  - 2800W M-CRPS Power Supply: 2800W (at 200 to 277 VAC)
  - 2400W M-CRPS Power Supply: 2400W (at 100 to 127 VAC), 2400W (at 200 to 240 VAC), 2400W (at 240 VDC) input for China only.
  - 1500W M-CRPS Power Supply: 1000W (at 100 VAC), 1100W (at 110-120 VAC), 1500W (at 200-240 VAC), 1500W (at 240 VDC) input for China only.
  - 1000W M-CRPS Power Supply: 800W (at 100-120 VAC), 1000W (at 200-240 VAC), 1000W (at 240 VDC) input for China only.

For more information on power specifications and technical content, reference the HPE M-CRPS QuickSpecs.

System Inlet Temperature

- **Standard Operating Temperature**
  10° to 35°C (50° to 95°F) at sea level with an altitude derating of 1.0°C per every 305 m (1.8°F per every 1000 ft) above sea level to a maximum of 3050 m (10,000 ft), no direct sustained sunlight. The maximum rate of change is 20°C/hr. (36°F/hr.). The upper limit and rate of change may be limited by the type and number of options installed.

  System performance during standard operating support may be reduced if operating with a fan fault or above 30°C (86°F).
- **Extended Ambient Operating Temperature**
  For approved hardware configurations, the supported system inlet range is extended to be: 5° to 10°C (41° to 50°F) and 35° to 40°C (95° to 104°F) at sea level with an altitude derating of 1.0°C per every 175 m (1.8°F per every 574 ft) above 900 m (2953 ft) to a maximum of 3050 m (10,000 ft). The approved hardware configurations for this system are listed at the URL**:** http://www.hpe.com/servers/ashrae

  For approved hardware configurations, the supported system inlet range is extended to be: 40° to 45°C (104° to 113°F) at sea level with an altitude derating of 1.0°C per every 125 m (1.8°F per every 410 ft) above 900 m (2953 ft) to a maximum of 3050 m (10,000 ft). The approved hardware configurations for this system are listed at the URL:
  http://www.hpe.com/servers/ashrae

  System performance may be reduced if operating in the extended ambient operating range or with a fan fault.
- **Non-operating**
  -30° to 60°C (-22° to 140°F). The maximum rate of change is 20°C/hr. (36°F/hr.).

Relative Humidity (non-condensing)

- **Operating**
  8% to 90% - Relative humidity (Rh), 28°C maximum wet bulb temperature, non-condensing.
- **Non-operating**
  5 to 95% relative humidity (Rh), 38.7°C (101.7°F) maximum wet bulb temperature, non-condensing.

Altitude

- **Operating**
  3050 m (10,000 ft). This value may be limited by the type and number of options installed. The maximum allowable altitude change rate is 457 m/min (1500 ft/min).
- **Non-operating**
  9144 m (30,000 ft). The maximum allowable altitude change rate is 457 m/min (1500 ft/min).

Emissions Classification (EMC) – Regulatory Information

To view the regulatory information for your product, view the Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products, available at the Hewlett Packard Enterprise Support Center: https://support.hpe.com/hpesc/public/docDisplay?docLocale=en_US&docId=c03471072

Acoustic Noise

Listed are the declared mean A-Weighted sound power levels (LWA,m), declared average bystander position A-Weighted sound pressure levels (LpAm) and the statistical adder for verification, Kv, is a quantity to be added to the declared mean A-weighted sound power level, LWA,m when the product is operating in a 23°C ambient environment. Noise emissions were measured in accordance with ISO 7779 (ECMA 74) and declared in accordance with ISO 9296 (ECMA 109). The listed sound levels apply to standard shipping configurations. Additional options may result in increased sound levels. Please have your HPE representative provide information from the HPE EMESC website for further technical details regarding the configurations listed below.

Idle	
LWA,m	5.9 B, Performance Configuration 6.0 B, Max. Configuration 6.7 B, Max. GPU Configuration
LpAm	44 dBA, Performance Configuration 44 dBA, Max. Configuration 53 dBA, Max. GPU Configuration
Kv	0.4 B, Performance Configuration 0.4 B, Max. Configuration 0.4 B, Max. GPU Configuration
Operating	
LWA,m	6.1 B, Performance Configuration 6.4 B, Max. Configuration 6.7 B, Max. GPU Configuration
LpAm	47 dBA, Performance Configuration 49 dBA, Max. Configuration 53 dBA, Max. GPU Configuration
Kv	0.4 B, Performance Configuration 0.4 B, Max. Configuration 0.4 B, Max. GPU Configuration

Notes:

- All measurements made to conform to ISO 7779 / ECMA-74 and declared to conform to ISO 9296 / ECMA-109. Operating mode is represented by 50% of CPU.
- The results in this declaration apply only to the specific configuration listed below when operating and tested according to the indicated modes and standards. A system with additional configuration components or increased operating functionality may increase the noise emission values.

  - Performance Configuration: 1x AMD EPYC 9996-SP7 600W CPU, 8x NVMe RI E3S EC1 SSD, 12x 64GB DIMM, 2x 1500W M-CRPS PSU, 8x Perf fan, 1x 10/25GbE 4p SFP28 OCP3 Adptr, 1x 100G 2p QSFP56 Adptr.
  - Max. Configuration: 1x AMD EPYC 9996-SP7 600W CPU, 16x NVMe RI E3S EC1, 16x 64GB DIMM, 2x 2400W M-CRPS PSU, 8x Perf fan, 1x 10/25GbE 4p SFP28 OCP3 Adptr, 1x IB 200G 2p QSFP112 Adptr.
  - Max. GPU Configuration: 1x AMD EPYC 9996-SP7 600W CPU, 4x NVMe RI E3S EC1 SSD, 16x 64GB DIMM, 2x 2400W M-CRPS PSU, 8x Perf fan, 1x 10/25GbE 4p SFP28 OCP3 Adptr, IB NDR200 1p OSFP Adptr, 2x NVIDIA RTX PRO 6000 Accelerator

– The declared mean A-weighted sound power level, LWA,m, is computed as the arithmetic average of the measured.
– A-weighted sound power levels for a randomly selected sample, rounded to the nearest 0,1 B.
– The declared mean A-weighted emission sound pressure level, LpA,m, is computed as the arithmetic average of the measured A-weighted emission sound pressure levels at the bystander positions for a randomly selected sample, rounded to the nearest 1 dB.
– The statistical adder for verification, Kv, is a quantity to be added to the declared mean A-weighted sound power level, LWA,m, such that there will be a 95% probability of acceptance, when using the verification procedures of ISO 9296, if no more than 6,5 % of the batch of new equipment, has A-weighted sound power levels greater than (LWA,m + Kv).
– The quantity, LWA,c (formerly called LWAd), can be computed from the sum of LWA,m and Kv.
– B, dB, abbreviations for bels and decibels, respectively, where 1 B = 10 dB.
– Systems under abnormal conditions may increase the noise level, people in the vicinity of the product [cabinet] for extended periods of time should consider wearing hearing protection or using other means to reduce noise exposure.

Environment-friendly Products and Approach - End-of-life Management and Recycling

Hewlett Packard Enterprise offers end-of-life product return, trade-in, and recycling programs, in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered, or disposed of in a responsible manner.

The European Union Waste Electrical and Electronic Equipment Directive [EU WEEE] (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise website. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

Summary of Changes

Date	Version History	Action	Description of Change
07-Oct-2026	Version 1	New	New QuickSpecs.

Have feedback on QuickSpecs? We're listening

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a50014669enw - 17432 - Worldwide - V1 - 07-October-2026
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