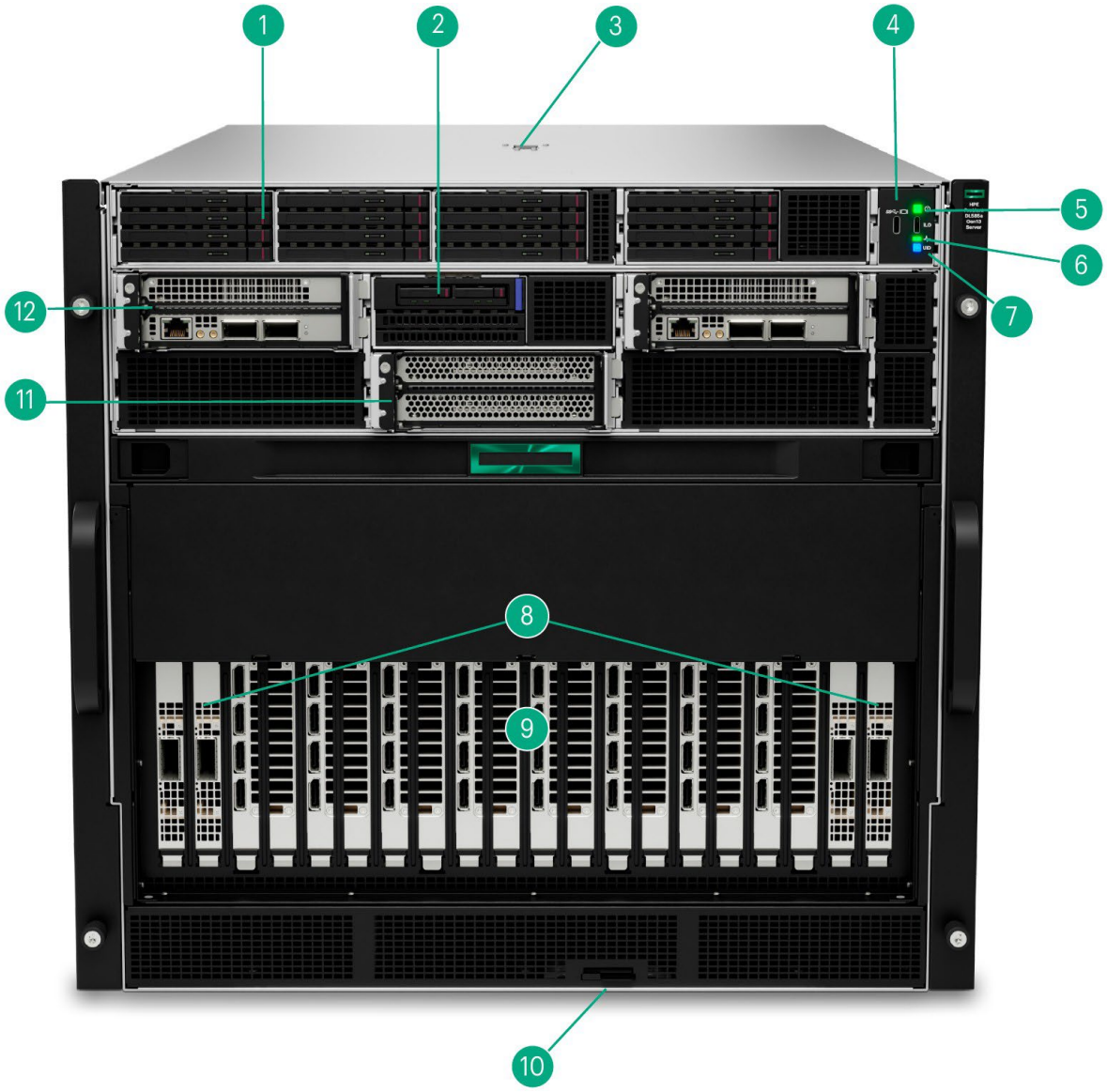
Have feedback on QuickSpecs? We're listening

HPE ProLiant DL585a Gen13 QuickSpecs

The HPE ProLiant DL585a Gen13 brings production AI to the enterprise with the flexibility to fit existing data centers and scale with business demand.

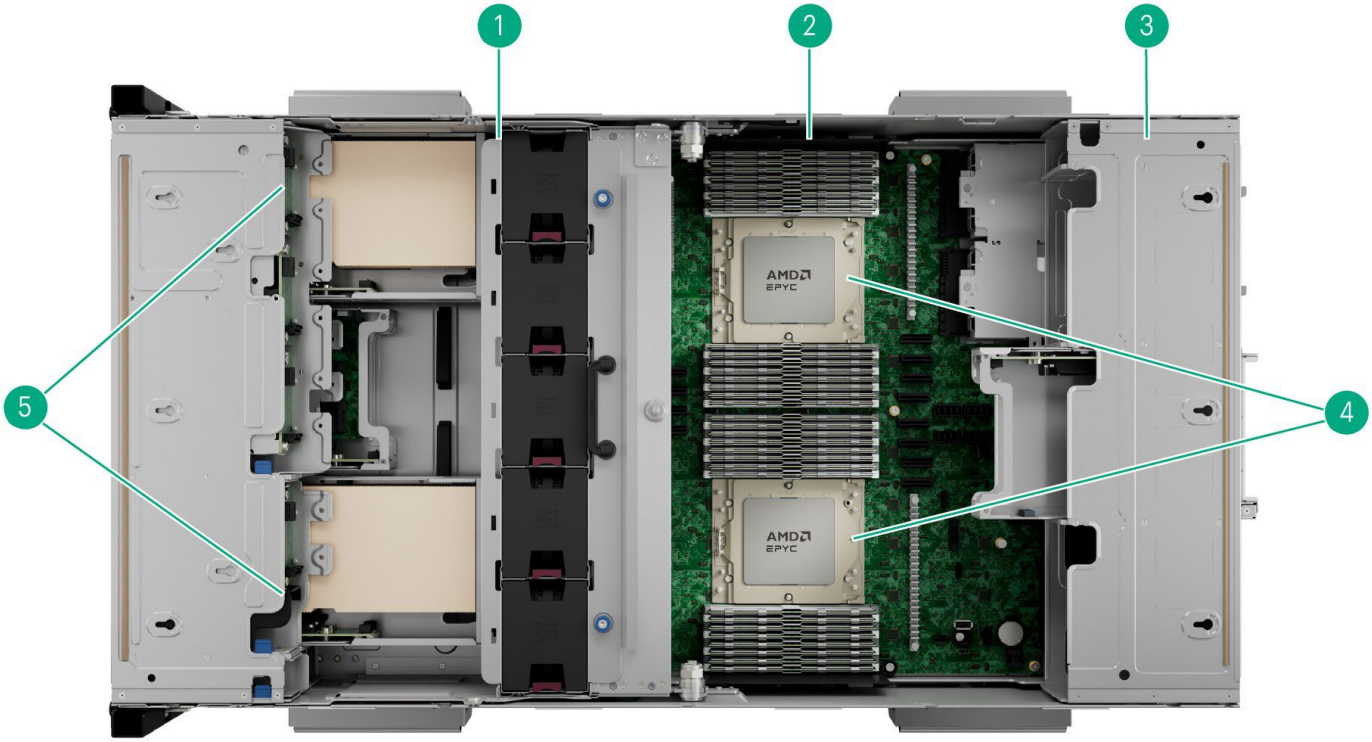
Powered by AMD EPYC™ 9006 Series processors and designed for up to eight qualified double-wide PCIe GPUs, this 10U platform aligns accelerator capacity, power, cooling, and fabric with workload and facility requirements. Purpose-built for AI inference, agentic AI, RAG, fine-tuning, analytics, and visualization, it provides a foundation that can expand with demand and adapt to tomorrow's GPU infrastructure requirements.

HPE ProLiant DL585a Gen13



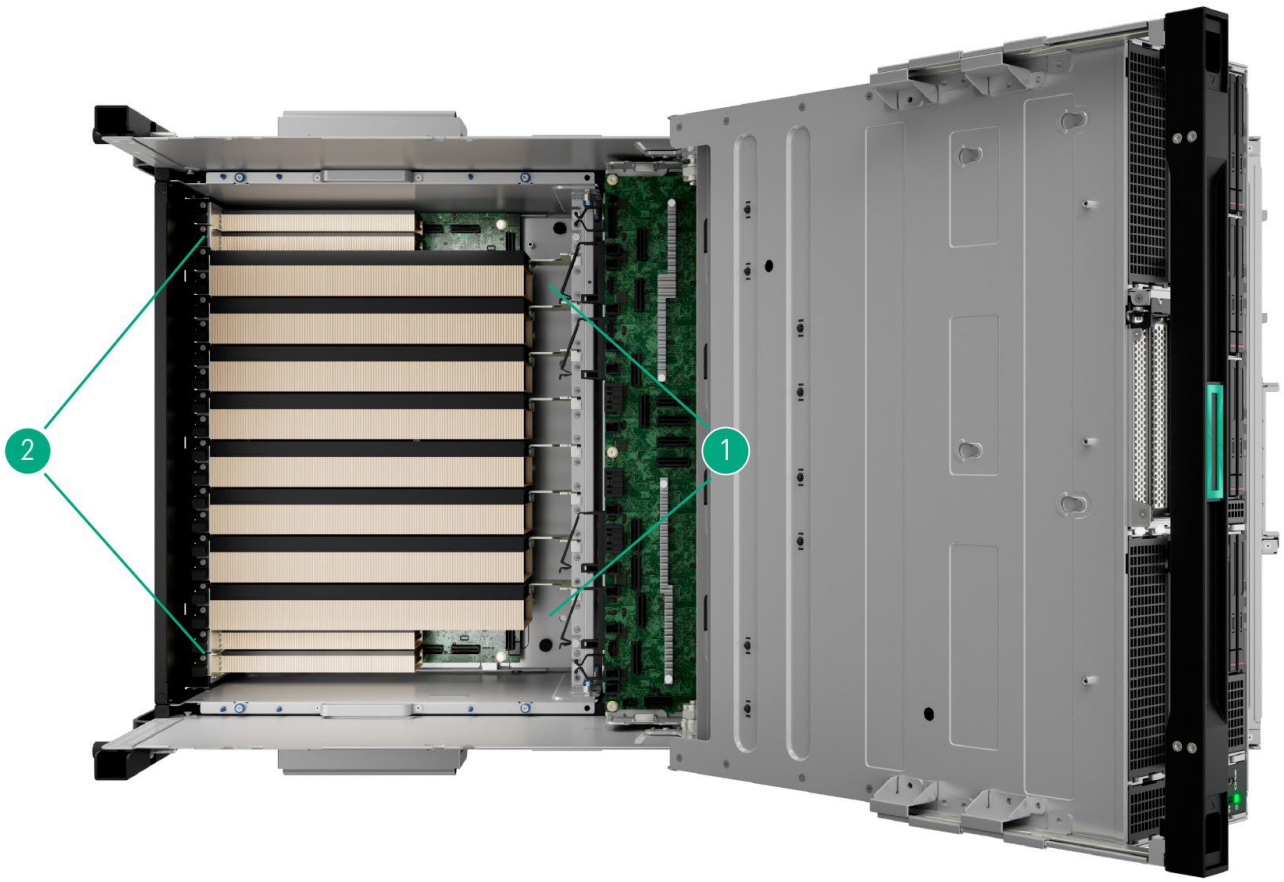
Front View

Item	Description	Item	Description
1.	Front cages, box 1-4	7.	Health LED, Unit ID button/LED
2.	Optional NS204mff OS boot device	8.	Front FHFL PCIe Gen6 Slots
3.	Quick removal access panel	9.	GPU cage (Up to 8 double-wide PCIe GPUs)
4.	USB Type-C alt mode	10.	Serial number/iLO information pull tab
5.	Power On/Standby button and system power LED	11.	Front FHHL PCIe Gen6 Slots
6.	iLO Service port	12.	Front FH3/4L PCIe Gen6 Slots (left and right)



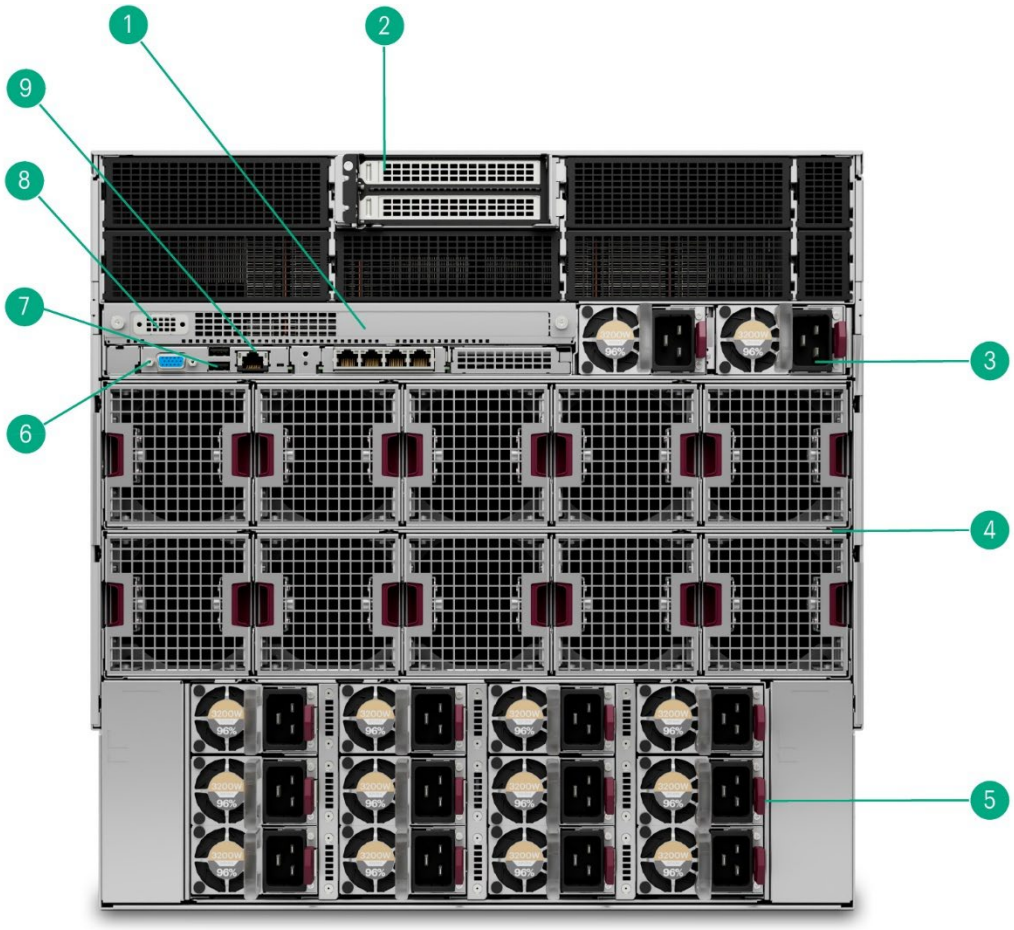
Internal View - System

Item	Description	Item	Description
1.	5 hot-plug fan assemblies	4.	2-socket AMD EPYC 6th Gen Processors
2.	32 DDR5 DIMM Slots	5.	Front FH3/4L PCIe Gen6 Slots
3.	Rear FHHL PCIe Gen6 Slots		



Internal View - GPU

Item	Description	Item	Description
1.	GPU Cage (Up to 8 double-wide PCIe GPUs)	2.	Front FHFL PCIe Gen6 Slots



Rear View

Item	Description	Item	Description
1.	Rear OCP 3.0 slot	6.	Video (VGA) port
2.	Optional rear FHHL PCIe Gen6 Slots[1]	7.	USB 3.0 Gen 1 ports (2)
3.	System Power Supplies (MCRPS)	8.	Serial port
4.	10 hot-plug fan assemblies	9.	Dedicated iLO Management Port
5.	GPU Power Supplies (MCRPS)		

Notes: [1]Only available when Configuration Setting SKU P96672-B21 (2 rear slots) or P96675-B21 (1 rear slot) is selected.

What's New

- Introducing the new HPE ProLiant DL585a Gen13 Server, with a future-ready design for future PCIe GPUs, power, cooling, and fabric requirements.
- Support for NVIDIA 2-8-5 reference architecture.
- Support for up to 8 double-wide GPUs in a 10U form factor for intensive compute acceleration.
- Supports new AMD EPYC™ 9006 SP7 Server Processors, up to 256 cores, 600W, and 1024MB of L3 Cache
- Support for DDR5-8000 DIMMs up to 4 TB per CPU.
- Support for MRDIMM 12800MT/s up to 2 TB per CPU.
- Support for PCIe 6.0 for improved bandwidth and throughput.
- Support for well-balanced I/O performance across processors.
- Support for new HPE Integrated Lights-Out 8 (iLO 8) server management.
- Dual power domain configuration, fully N+N redundant. Up to 2 3200W M-CRPS power supplies for system domain. Up to 12 3200W M-CRPS power supplies for GPU domain.

Platform Information

Form Factor

- 10U rack.

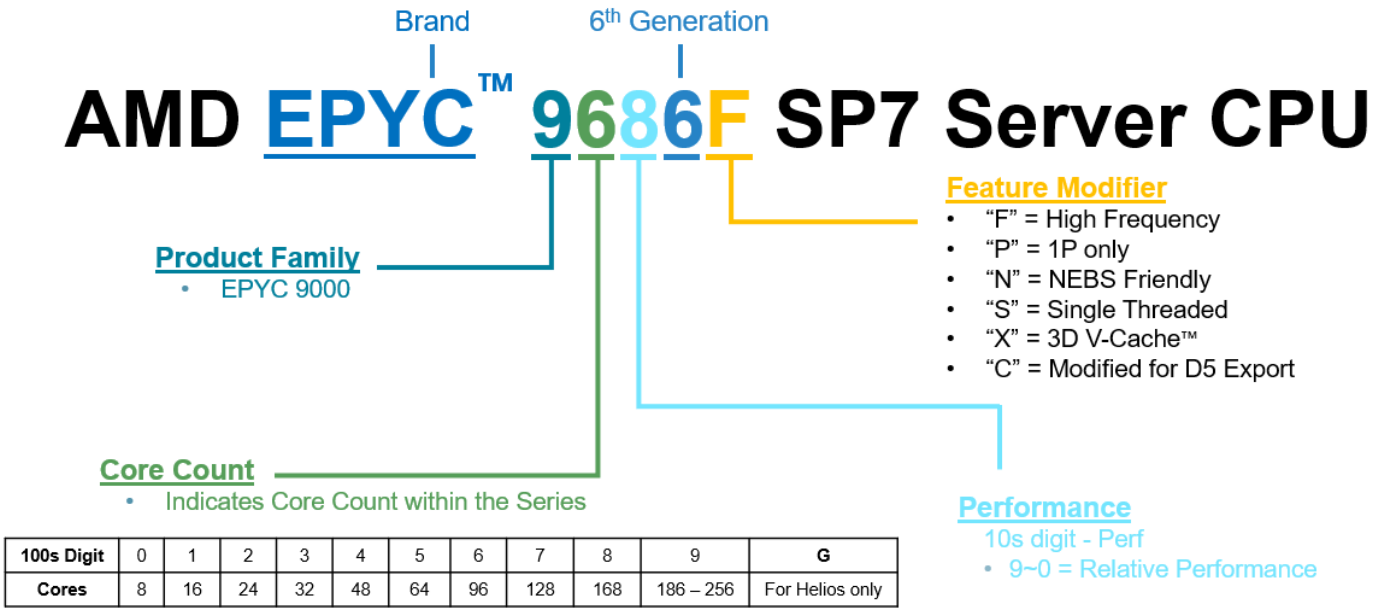
Chassis Types

- One CTO Chassis
  - Up to 8 DW (double-wide GPU).
  - Up to 8 PCIe Gen6 expansion slots.
  - Up to 16 EDSFF.

System Fans

- 15 hot plug fan assemblies: Each assembly consists of 1 dual-rotor 80x56mm fans.

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	2.9	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	3.4	5	384	500
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 are 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	
Type	HPE DDR5 Smart Memory, Registered (RDIMM), MRDIMM
DIMM Slots Available	32 DIMM slots (16 DIMM slots per processor) 16 channels per processor with up to 1 DIMMs per channel
Maximum capacity (RDIMM)	8.0 TB (32 x 256 GB RDIMM @ 8000 MT/s) 4.0 TB (32 x 128 GB MRDIMM @ 12800 MT/s)

Notes:

- The maximum memory speed is limited by the processor selection.
- The -B21 memory SKUs shown in this document are to be used when ordering stand-alone memory only. For each -B21 SKU, there is a corresponding -F21 SKU which is to be used when configuring servers with integrated memory DIMMs.
- For more detail on Memory Population Rules and Guidelines with AMD EPYC™ 9006 series Server CPUs, please refer to: https://www.hpe.com/psnow/doc/a50012817enw

Expansion Slots

CPU 2 Expansion Slots					
Slots #	**Technology**	**Bus Width**	**Connector Width**	**Slot Form Factor**	**Notes**
4	PCIe 6.0	x16	x16	Full height, half length	Processor 2
7	PCIe 6.0	x16	x16	Full height, 3/4 length	Processor 2
9	PCIe 6.0	x16	x16	Half height, half length	Processor 2
11	PCIe 6.0	x16	x16	Full height, full length	Processor 2
12	PCIe 6.0	x16	x16	Full height, full length	Processor 2

CPU 1 Expansion Slots					
Slots #	**Technology**	**Bus Width**	**Connector Width**	**Slot Form Factor**	**Notes**
3	PCIe 6.0	x16	x16	Full height, half length	Processor 1
8	PCIe 6.0	x16	x16	Half height, half length	Processor 1
10	PCIe 6.0	x16	x16	Full height, 3/4 length	Processor 1
29	PCIe 6.0	x16	x16	Full height, full length	Processor 1
30	PCIe 6.0	x16	x16	Full height, full length	Processor 1
OCPA	PCIe 4.0	x4	x16	OCP 3.0	Processor 1

Notes:

- Slot 3 and 4 are available when configuration setting SKU P96672-B21 is selected.
- Slot 4 is available when configuration setting SKU P96675-B21 is selected.
- Slot 9 and 10 are reserved for configuration setting SKUs with controllers - P96675-B21 and P96678-B21.

Graphics

Integrated Video Standard

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

HPE iLO 8 on system management memory

- 64 MB Flash.
- 1x16Gb or 2x8Gb DDR4 with ECC protection.

Maximum Internal Storage

Drive	Capacity	Configuration
Hot-plug E3.S NVMe PCIe SSD	491.5 TB	16 x 30.72 TB
Hot Plug M.2 NVMe SSD	960 GB	2 x 960 GB

Modular Common Redundant Power Supply (M-CRPS)

- HPE 3200W M-CRPS Kit.
  Notes: Up to 96% efficiency.

HPE M-CRPS power supplies are certified for high-efficiency operation and offer multiple power output options, both high-line and low-line, allowing users to right-size a power supply for specific server configurations. This flexibility helps to reduce power waste, upgrade security firmware, lower overall energy costs, and avoid "trapped" power capacity in the data center. HPE M-CRPS come in two different physical design options (73.5mm and 60mm width) that allows for hot-plug, tool-less installation into HPE ProLiant Compute Gen12 Performance Servers.

To review the power requirements for your selected system, please use the HPE Power Advisor Tool.

For information on power specifications and technical content visit https://www.hpe.com/psnow/doc/4AA6-6836ENW.

European Union ErP Lot 9 Regulation

Beginning on January 1st, 2024, units sold into the European Economic Area (EEA), the United Kingdom, Switzerland, or Turkey must include more efficient AC power supplies: 94% for multi-output and 96% for single-output. HPE M-CRPS power supplies are single-output, and part numbers P67240-B21, P67244-B21, P67248-B21, and P67252-B21 are 96% efficient, thus meeting requirements.
HPE is on target to fulfill compliant systems ahead of time and will begin enforcing these requirements in advance to satisfy requests with the current power supplies by the set deadline.

Storage Controllers

NVMe Boot Devices

- HPE DL585a Gen13 NS204mff Enable Kit.
- HPE NS204mff HP Cust Zone Boot Dev Cntrl.
- HPE NS204mff 960GB NVMe HP Drive Module.

Notes:

- Configured in front chassis slot.
- Does not occupy PCIe slots on the DL585a Gen13 server.

Tri-Mode Controller

- HPE MR932i-p 32 Internal Lanes / Internal Cache PQC30 PCIe Gen5 Plug-in Storage Controller.

Notes: Supported with configuration setting SKUs P96675-B21 and P96678-B21.

Interfaces

Serial Port	1 optional port - rear
VGA Port	1 standard (rear)
Display Port	1 combined with ALT-type C (front)
Network Ports	None. Choice of OCP networking card or stand-up networking card required.
HPE iLO Remote Management Network Port	1 Gb dedicated (rear)
Front iLO Service Port	1 type C(front) Configurable and combined with Host USB2.0
USB 3.0 Gen1 Port	4 (1 front ALT-type C, 2 rear type A, 1 internal)
USB 2.0	1 type C (front) Configurable and combined with iLO Service Port

Industry Standard Compliance

- ACPI 6.5 Compliant.
- Advanced Encryption Standard (AES).
- Active Directory v1.0.
- ASHRAE A3/A4.

  Notes: For additional technical, thermal details regarding ambient temperature, humidity, and feature support, please visit https://www.hpe.com/support/ASHRAEGen12
- DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP).
- ENERGY STAR®.
- EU Lot 9.
- IPMI 2.0.
- Microsoft® Logo certifications.
- PCIe 3.0 Compliant.
- PCIe 4.0 Compliant.
- PCIe 5.0 Compliant.
- PXE Support.
- Redfish API.
- Secure Digital 4.0.
- SMBIOS 3.7.
- SNMP v3.
- TLS 1.3.
- TPM 2.0 Support.
- Triple Data Encryption Standard (3DES).
- UEFI (Unified Extensible Firmware Interface Forum) 2.10.
- USB 2.0 Compliant.
- USB 3.0 Compliant.
- VGA Port.

Configuration Information

This section lists some of the steps required to configure a Factory Integrated Model. To ensure only valid configurations are ordered, Hewlett Packard Enterprise recommends the use of an HPE approved configurator. Contact your local sales representative for information on configurable product offerings and requirements.

- Factory Integrated Models must start with a CTO Server.
- FIO indicates that this option is only available as a factory installable option.
- All Factory Integrated Models will be populated with sufficient hard drive blanks based on the number of initial hard drives ordered with the server.
- Some options may not be integrated at the factory. Contact your local sales representative for additional information.

Step 1: Base Configuration

CTO Server Models	HPE ProLiant DL585a Gen13 8 Double Wide Configure-to-order Server
HPE ProLiant DL585a Gen13 8 Double Wide Configure-to-order Server	P97048-B21
TAA SKU*	P97048-B21#GTA
Processor	Not included as standard
DIMM Slots	32 DIMM slots
Rear PCIe	Two optional
Drive Cage	Defaulted to 12EDSFF Drive Cage
Network Controller	PCIe stand-up network adapters One OCP 3.0 network adapter **Notes:** No embedded networking
Fans	15 hot-plug fan assemblies (Quantity: 5 internal 80mm fans and 10 rear 80mm fans)
Management	HPE iLO 8 (standard) HPE Compute Ops Management Optional: iLO Advanced and OneView
USB	4 USB 3.0 (1 front ALT-type C, 2 rear type A, 1 internal) plus iLO front service port
Trusted Platform Module (TPM)	Embedded TPM

- 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).
- All CTO servers are ENERGY STAR® 3.0 compliant. After January 11, 2024, ENERGY STAR® 3.0 compliance is no longer valid. ENERGY STAR® 4.0 certification will be valid upon publication.

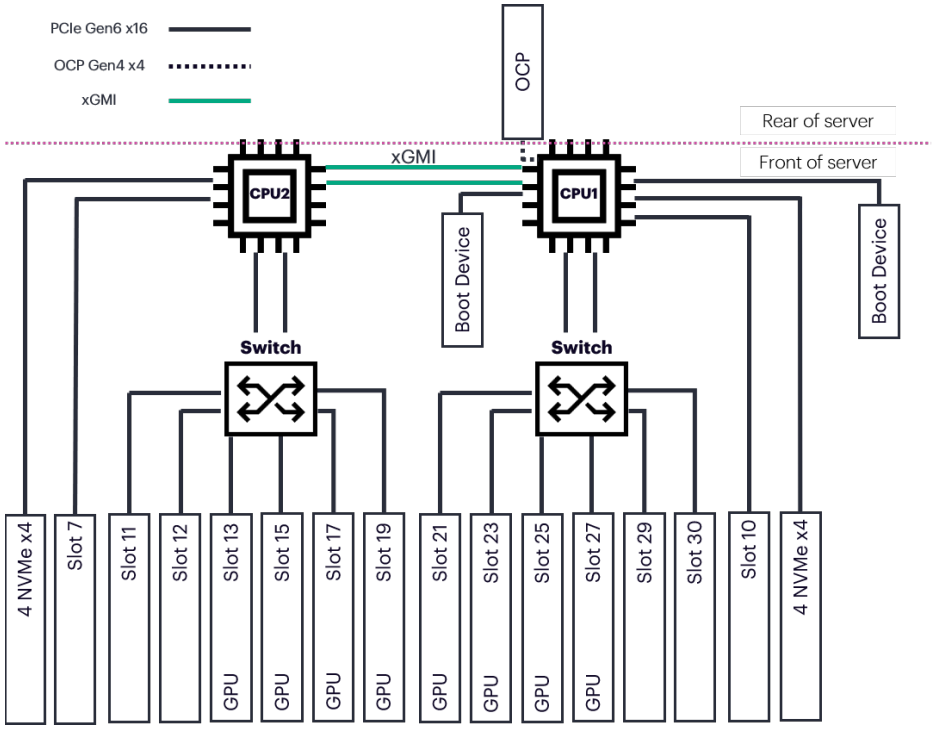
Configuration Guidance

The HPE ProLiant DL585a Gen13 uses a topology-based configuration method implemented in the OCA configuration tool. Each Configuration Setting SKU defines a supported topology, including the supported number of expansion slots and drives and the supported drive connectivity options. This approach reduces ambiguity and simplifies the configuration process.

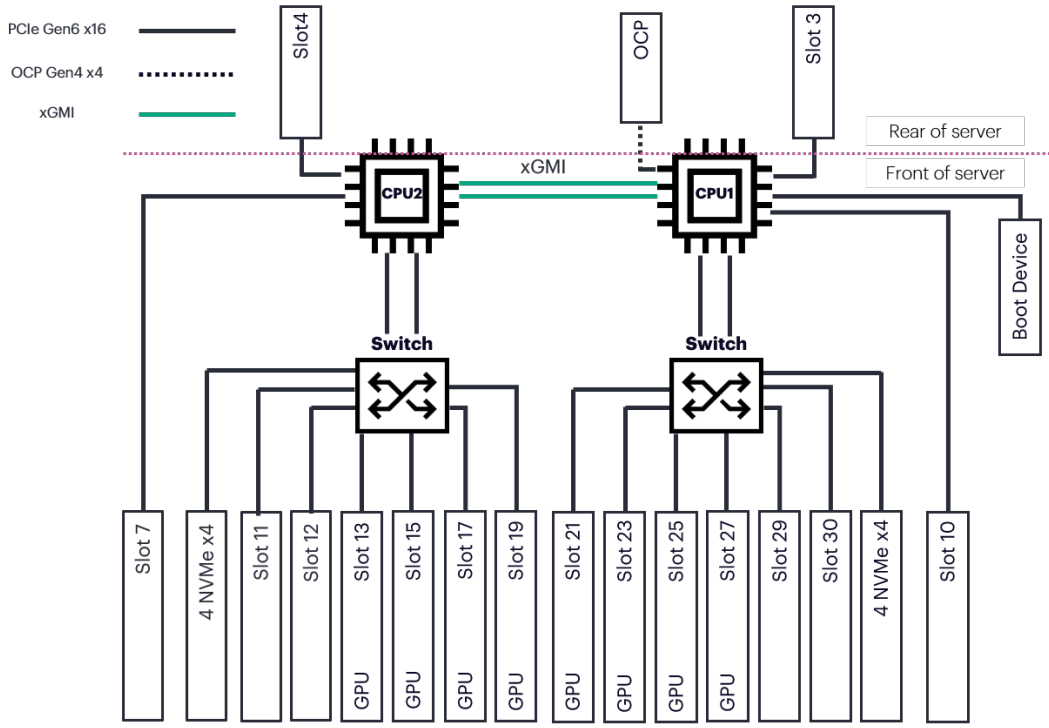
Start by selecting the required topology through a Configuration Setting SKU. Then select the required CPU, memory, GPU, storage, networking, and power supply options.

The topology diagrams and accompanying table below detail the features supported by each Configuration Setting SKU.

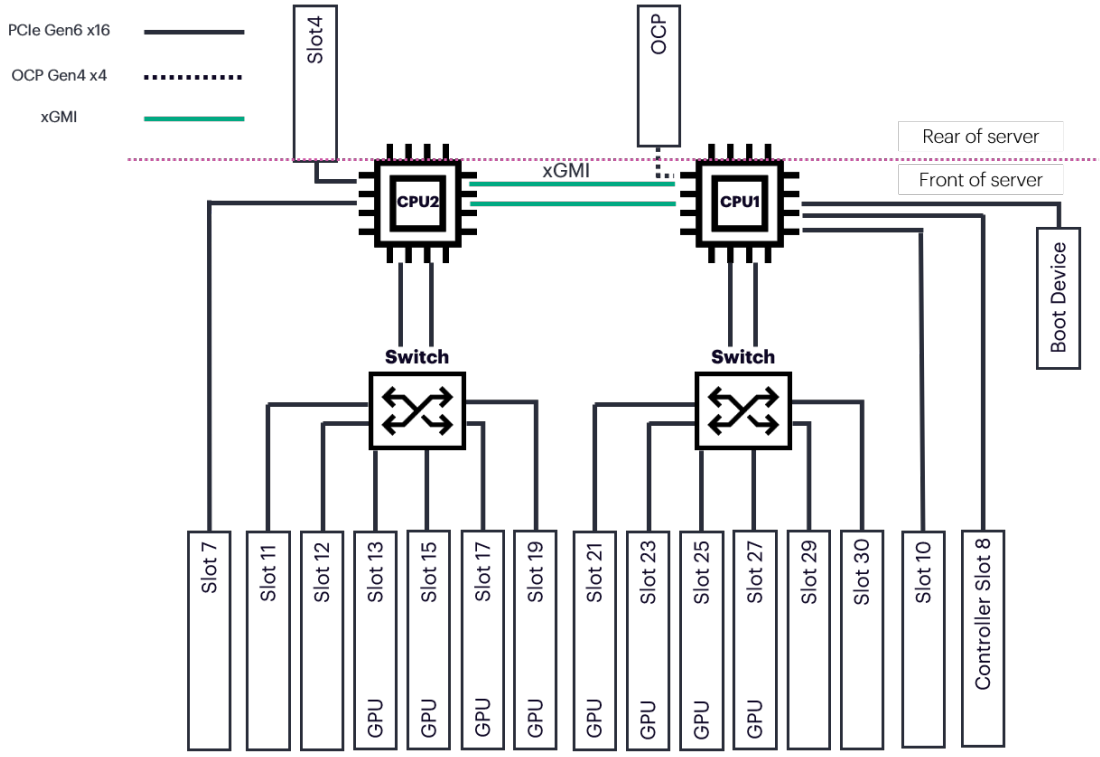
HPE 6-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 Direct Attach 8xGPU FIO System Setting - P96669-B21



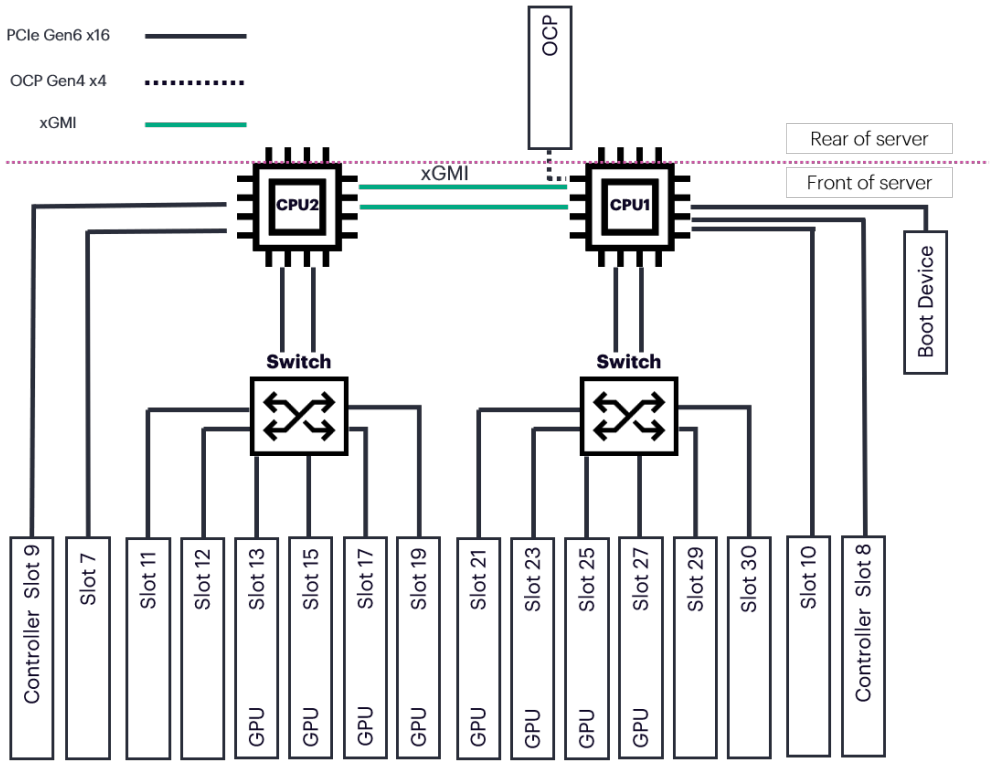
HPE 8-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 8xGPU FIO System Setting - P96672-B21



HPE 7-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 1xController 8xGPU FIO System Setting - P96675-B21



HPE 6-slot PCIe Gen6 x16 16EDSFF NVMe x4 Gen6 2xController 8xGPU FIO System Setting - P96678-B21



HPE Switchboard				
	HPE 6-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 Direct Attach 8xGPU FIO System Setting	HPE 8-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 8xGPU FIO System Setting	HPE 7-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 1xController 8xGPU FIO System Setting	HPE 6-slot PCIe Gen6 x16 16EDSFF NVMe x4 Gen6 2xController 8xGPU FIO System Setting
Configuration SKUs	P96669-B21	P96672-B21	P96675-B21	P96678-B21
Switchboard Enablement Kit	P96973-B21	P96973-B21	P96973-B21	P96973-B21
Desired Features				
GPU Slots	8	8	8	8
Full Height Full Length x16 Gen6 PCIe Slots (Front)	4	4	4	4
Full Height 3/4 Length x16 Gen6 PCIe Slots (Front)	2	2	2	2
Full Height Half Length x16 Gen6 PCIe Slots (Rear)	0	2	1	0
EDSFF Drive support (number of drives)	8	8	8	16
OCP Gen4 x4 slots	1	1	1	1
SKU list for feature stack				
HPE ProLiant DL585a Gen13 16EDSFF Upgrade Kit				P97050-B21
HPE ProLiant DL585a Gen13 FHFL GPU Switchboard Cage Kit	P97055-B21	P97055-B21	P97055-B21	P97055-B21
HPE ProLiant DL585a Gen13 Rear FHHL PCIe Enablement Kit		P97052-B21	P97052-B21	
HPE ProLiant DL585a Gen13 Front FHHL PCIe Enablement Kit			P97053-B21	P97053-B21
HPE ProLiant DL585a Gen13 FHHL PCIe Front Upgrade Riser Kit				P97054-B21

Configuration Setting SKUs

HPE 6-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 Direct Attach 8xGPU FIO System Setting	P96669-B21
HPE 8-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 8xGPU FIO System Setting	P96672-B21
HPE 7-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 1xController 8xGPU FIO System Setting	P96675-B21
HPE 6-slot PCIe Gen6 x16 16EDSFF NVMe x4 Gen6 2xController 8xGPU FIO System Setting	P96678-B21

Notes:

- Refer to Topologies section for detailed configuration setting SKU diagrams.
- Quantity 1 Configuration Setting SKU must be selected.
- SKU list in feature stack table will automatically be selected when corresponding configuration setting SKU is selected. Removing these will result in unbuildable error.

Switchboard Enablement

HPE ProLiant DL585a Gen13 Switchboard FIO Enablement Kit	P96973-B21

Notes: The switchboard enablement kit includes HPE Switchboard with 12 PCIe slots. Supports up to 8 double-wide GPUs and up to 4 network adapters.

HPE ProLiant DL585a Gen13 FHFL GPU Switchboard Cage Kit	P97055-B21

Notes: The switchboard cage kit must be selected when selecting FHFL GPUs.

Step 2: Choose Processors

Please select two processors from below.

AMD EPYC® 9006 Series Processors

AMD EPYC 9966 SP7 2.9GHz 192-core 600W Processor for HPE	P95071-B21
AMD EPYC 9996 SP7 2.5GHz 256-core 600W Processor for HPE	P95130-B21
AMD EPYC 9846 SP7 2.85GHz 168-core 500W Processor for HPE	P95134-B21
AMD EPYC 9756 SP7 3.15GHz 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 3.4GHz 96-core 500W Processor for HPE	P95146-B21
AMD EPYC 9586F SP7 3.75GHz 64-core 500W Processor for HPE	P95150-B21

Notes:

- DL585a Gen13 only supports dual processor configurations, not single processor configurations.
- Mixing of 2 different processor models is NOT supported.
- DDR5 speed is the maximum memory speed of the processor. Actual memory speed may depend on the quantity and type of DIMMs installed.

Step 3: Choose GPUs

Please select the GPU from the options below. For memory population rule whitepaper and optimal memory performance guidelines, please go to: HPE Memory Population Rules

Computational and Graphics Accelerators

NVIDIA RTX PRO 6000 Blackwell Server Edition 96GB PCIe Accelerator for HPE	S6A73C
NVIDIA RTX PRO 6000D 84GB PCIe Accelerator for HPE	S6W21C
HPE ProLiant DL585a Gen13 GPU Power Cable Kit	P97059-B21

Notes:

- For field upgrades that require GPU power cables, select quantity 1 of GPU Power Cable Kit which will support up-to quantity 8 double-wide GPUs.
- 0, 1, 2, 4, and 8 GPU configurations are allowed.
- Mixing of different GPU models is not supported.
- For best performance across common workloads, HPE recommends system memory equal to at least twice the total GPU memory.

Step 4: Choose Memory Options

Please select four or more memory kits from below.

For new Gen13 memory population rule whitepaper and optimal memory performance guidelines, please go to: HPE Memory Population Rules

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

Registered DIMMs (RDIMMs)

Integrated memory

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
HPE 128GB (1x128GB) Dual Rank x4 DDR5-8000 CAS-64-64-64 EC8 Registered Smart Memory Kit	P83826-B21
HPE 256GB (1x256GB) Quad Rank x4 DDR5-8000 CAS-74-64-64 EC8 Registered 3DS Smart Memory Kit	P83828-B21

Standalone memory kit

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
HPE 128GB (1x128GB) Dual Rank x4 DDR5-8000 CAS-64-64-64 EC8 Registered Smart FIO Memory Kit	P83826-F21
HPE 256GB (1x256GB) Quad Rank x4 DDR5-8000 CAS-74-64-64 EC8 Registered 3DS Smart FIO Memory Kit	P83828-F21

MRDIMM

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

Step 5: Choose Storage Options

Notes: DL585a Gen13 supports only E3.S NVMe SSDs

Drive Cage

HPE ProLiant DL585a Gen13 16EDSFF Upgrade Kit P97050-B21

Notes:

- Maximum quantity = 1
- 16EDSFF Upgrade Kit can only be selected if two controller configuration setting P96678-B21 is selected or adding storage controllers in the field.
- Quantity of 2 MR932i-p controllers must be selected.

HPE Tri-Mode Controllers

HPE MR932i-p x32 Internal Lanes/Internal Cache PCIe Gen5 PQC30 Plug-in Storage Controller P89797-B21

Notes:

- Restricted to maximum Quantity 2 of controller.
- If P96675-B21 configuration setting SKU is selected, then quantity 1 of controller must be selected.
- If P96678-B21 configuration setting SKU is selected, then quantity 2 of controllers must be selected.

HPE Boot Controller

HPE NS204mff Hot Plug Platform Custom Zone Boot Device Controller	P90337-B21
HPE ProLiant DL585a Gen13 NS204mff Enablement Kit	P97051-B21
HPE NS204mff 960GB NVMe Self-encrypting Drive Hot Plug Drive Module	P90343-B21

Notes:

- NS204mff enablement kit P97051-B21 and Custom Zone Boot Device Controller P90337-B21 must be selected together.
- NS204mff enablement kit P97051-B21 and Custom Zone Boot Device Controller P90337-B21 cannot be selected without NS204mff drive modules P90343-B21.
- Quantity 2 of drive modules P90343-B21 must be selected if NS204mff is selected.

Storage Cables

HPE ProLiant DL585a Gen13 MR932i-p Backplane Cable Kit	P97063-B21

Notes:

- Included by default when selecting Configuration Setting SKUs P96675-B21 and P96678-B21 with storage controllers
- Cable kit P97063-B21 can be ordered when adding storage controllers during field upgrade.

Step 6: Choose Power Supplies

HPE M-CRPS

HPE 3200W M-CRPS Titanium Hot Plug Power Supply Kit	P67248-B21

Notes:

- 10 or 14 power supplies must be selected (2 power supplies for system domain, 8 or 12 power supplies for GPU domain)
- 3200W supplies support C19/C19-C20 Power Cords only.
- Prior to making a power supply selection it is highly recommended that the HPE Power Advisor is run to determine the right size power supply for your server configuration. The HPE Power Advisor is located at: https://poweradvisorext.it.hpe.com/.

Step 7: Choose additional options for Factory Integration from Core and Additional Options

Some options may not be integrated at the factory. To ensure only valid configurations are ordered, Hewlett Packard Enterprise recommends the use of an HPE approved configurator. Contact your local sales representative for additional information.

Server Management

HPE iLO Advanced

HPE iLO Advanced licenses offer smart remote functionality without compromise, for all HPE ProLiant servers. The license includes the fully integrated remote console, virtual keyboard, video, and mouse (KVM), multi-user collaboration, console record and replay, and GUI-based and scripted virtual media and virtual folders. You can also activate the enhanced security and power management functionality.

HPE OneView Advanced

HPE OneView brings a new level of automation to infrastructure management by taking a template-driven approach to provisioning, updating, and integrating compute, storage, and networking infrastructure. It provides full-featured licenses which can be purchased for managing multiple HPE servers.
To learn more visit http://www.hpe.com/info/oneview.

One Config Simple (OCS/SCE)

SCE is a guided self-service tool to help sales and non-technical people provide customers with initial configurations in 3 to 5 minutes. You may then send the configuration on for configuration help, or use in your existing ordering processes. If you require "custom" rack configuration or configuration for products not available in SCE, please contact Hewlett Packard Enterprise Customer Business Center or an Authorized Partner for assistance.
https://h22174.www2.hpe.com/SimplifiedConfig/Welcome

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've 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

Base SKU

HPE Compute Ops Management Standard 3-year Upfront ProLiant SaaS	R7A11AAE

Upgrade SKUs

HPE Compute Ops Management Standard 5-year Upfront ProLiant SaaS	R7A12AAE
HPE Compute Cloud Management Server FIO Enablement	S1A05A
HPE Compute Ops Management Standard 7-year Upfront ProLiant SaaS	S2E10AAE
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 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

HPE Converged Infrastructure Management Software

HPE OneView Advanced (with HPE iLO Advanced)

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 OneView including 3yr 24x7 Support Flexible Quantity E-LTU	E5Y35AAE

HPE OneView Advanced (without HPE iLO Advanced)

HPE OneView w/o iLO including 3yr 24x7 Support 1-server FIO LTU	P8B31A
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

Notes: Licenses ship without media. The HPE OneView Media Kit can be ordered separately or can be downloaded.

HPE Rail Kits

Ball bearing rail kits contain telescoping rails which allow for in-rack serviceability.
To assist in the installation of the server into the rack an optional installation tool is available by contacting your local services representative.

Notes:

- Hewlett Packard Enterprise recommends that a minimum of four people are required for DL585a Gen13 installations. Please refer to your installation instructions for proper tools and number of people to use for any installation.
- HPE rail kits are designed to work with HPE racks in compliance with industry standard EIA-310-E. In the event a customer elects to purchase a third-party rack for use with an HPE rail kit, any such use is at customer's own risk. HPE makes no express or implied warranties with respect to such third-party racks and specifically disclaims any implied warranties of merchantability and fitness for a particular purpose. Furthermore, HPE has no obligation and assumes no liability for the materials, design, specifications, installation, safety, and compatibility of any such third-party racks with any rail kits, including HPE rail kits.

HPE ProLiant DL585a Gen13 Rear FHHL PCIe Enablement Kit	P90359-B21

Notes: This rail kit does not include the cable management arm (P97058-B21).

HPE ProLiant DL585a Gen13 Cable Management Arm Kit	P97058-B21

Notes:

- P90359-B21 DL585a Gen13 rail kit must be selected with P97058-B21 DL585a Gen13 cable management arm kit.
- P97058-B21 DL585a Gen13 cable management arm kit can only be used when installing server in a 1200mm rack

HPE Racks

- Refer to the HPE Advanced Series Racks QuickSpecs for information on additional racks options and rack specifications. HPE G2 Advanced Series Racks
- Refer to the HPE Enterprise Series Racks QuickSpecs for information on additional racks options and rack specifications. HPE G2 Enterprise Series Racks

HPE Rack Options

Refer to the HPE KVM Switches web page for information on these products and their specifications.

HPE Power Distribution Units (PDUs)

- Refer to the HPE Basic Power Distribution Units (PDU) QuickSpecs for information on these products and their specifications.
- Refer to the HPE Metered Power Distribution Units (PDU) QuickSpecs for information on these products and their specifications. Refer to the HPE Intelligent Power Distribution Unit (PDU) QuickSpecs for information on these products and their specifications.

HPE Uninterruptible Power Systems (UPS)

- To learn more, please visit the HPE Uninterruptible Power Systems (UPS) web page.
- Refer to the HPE Direct Flow Three Phase Uninterruptible Power System QuickSpecs for information on these products and their specifications.
- Refer to the HPE Line Interactive Single-Phase UPS QuickSpecs for information on these products and their specifications.

HPE I/O Expansion Options

Notes: Risers in Slot 7 and slot 8 are included by default

HPE ProLiant DL585a Gen13 Rear FHHL PCIe Enablement Kit P97052-B21

Notes: This rear FHHL PCIe enablement kit P97052-B21 must be selected to enable PCIe slot 4 when configuration setting P96672-B21 HPE 8-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 8xGPU FIO System Setting is selected.

HPE ProLiant DL585a Gen13 Front FHHL PCIe Enablement Kit P97053-B21

Notes: This enablement kit P97053-B21 must be selected when configuration setting P96675-B21 HPE 7-slot PCIe Gen6 x16 8EDSFF NVMe x4 Gen6 1xController 8xGPU FIO System Setting or P96678-B21 HPE 6-slot PCIe Gen6 x16 16EDSFF NVMe x4 Gen6 2xController 8xGPU FIO System Setting is selected.

HPE ProLiant DL585a Gen13 FHHL PCIe Front Upgrade Riser Kit P97054-B21

Notes: This upgrade kit P97054-B21 must be selected when configuration setting P96678-B21 HPE 6-slot PCIe Gen6 x16 16EDSFF NVMe x4 Gen6 2xController 8xGPU FIO System Setting is selected.

OCP 3.0 Enablement

Notes: Default qty 1 OCP 3.0 slot in the rear OCPA slot.

HPE ProLiant DL585a Gen13 General OCP Cable Kit	P97065-B21
HPE ProLiant DL585a Gen13 OCP Cable Kit for Intel	P97066-B21

Notes:

- Maximum quantity= 1.
- If Intel E610 OCP NIC is selected, then quantity 1 of P97066-B21 must be selected. For Broadcom or Intel E835 OCP NICs, then quantity 1 of P97065-B21 must be selected.

HPE Solid State Drives

For SSD selection guidance, please visit https://ssd.hpe.com/

Mixed Use– NVMe – EDSFF – Solid State Drives

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 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 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 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 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 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 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
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

Read Intensive – NVMe – EDSFF – Solid State Drives

HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P70674-B21
HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	P78923-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P79122-B21
HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF Self-encrypting PM9D3a SSD	P79147-B21
HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 EDSFF SPDM 9550 SSD	P79965-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 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 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 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 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 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
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
Very Read Optimized – NVMe – EDSFF – Solid State Drives	
HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	P79615-B21
HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	P79618-B21
HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	P79620-B21
HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	P79623-B21
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

HPE Networking

The DL585a Gen13 CTO server does not come with embedded networking, hence the requirement to configure with either a PCIe or OCP networking adapter.

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

Notes: Max 2 DPU per server.

PCIe Network adapters

Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	P25960-B21
Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P42044-B21
Intel E835-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P76851-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

OCP 3.0 Network Adapters

Broadcom BCM57412 Ethernet 10Gb 2-port BASE-T OCP3 Adapter for HPE	P84299-B21
Intel E835-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P76848-B21
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

Notes:

- Max 1 OCP network adapter per server.
- OCP Adapters do not consume PCIe slots.
- Default quantity 1 of OCP 3.0 slot on DL585a Gen13.
- If Intel E610 OCP NIC P79833-B21 is selected, then quantity 1 of P97066-B21 must be selected.

  For Broadcom or Intel E835 OCP NICs, then quantity 1 of P97065-B21 must be selected.

HPE InfiniBand

HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter	P45641-H23
HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter	P65333-H21
HPE InfiniBand XDR/Ethernet 2x400GbE 1-port OSFP PCIe6 x16 HHHL CX8 Crypto Adapter	P79114-H21
HPE InfiniBand NDR/Ethernet 400Gb 1-port QSFP112 PCIe5 x16 MCX715105AS-WEAT Adapter	S5R60A
HPE InfiniBand XDR400/Ethernet 400GbE 2-port QSFP112 PCIe6 x16 HHHL CX8 Crypto Adapter	P79115-H21

Some options may not be integrated at the factory. To ensure only valid configurations are ordered, Hewlett Packard Enterprise recommends the use of an HPE approved configurator. Contact your local sales representative for additional information.

HPE Storage Options

Emulex Fibre Channel HBAs

HPE SN1720E 64Gb 2p FC SecureHBA S4T09A

HPE iLO Common Password FIO Setting

HPE iLO Common Password FIO Setting P08040-B21

Notes:

- Replaces iLO default randomized password by an HPE defined common password. HPE highly recommends changing this password immediately after the initial onboarding process.
- Customers who want to choose their own custom iLO default password should use the HPE Factory Express Integration Services.

HPE iLO Advanced

HPE iLO Advanced Electronic License with 1yr Support on iLO Licensed Features E6U59ABE

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

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 Security

HPE ProLiant DL585a Gen13 Intrusion Cable Kit P97067-B21

Notes: This provides a physical connection from the chassis board and hood and detects any physical intrusion into the chassis, providing security during the entire supply chain process of shipping, receiving, distribution, and operation.

HPE Cable Options

HPE Alletra Storage Server 4140 Serial Port FIO Enablement Kit P64208-B21

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

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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 and support UEFI Mode only.

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

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

- Secure Boot and Secure Start enable for enhanced security
- Embedded UEFI Shell
- Operating system specific functionality
- Mass Configuration Deployment Tool using iLO RESTful API that is Redfish API Conformant
- Support for greater than 2.2 TB (using GPT) boot drives
- PXE boot support for IPv6 networks
- USB 3.0 Stack
- Workload Profiles for simple performance optimization

UEFI Boot Mode only

- TPM 2.0 Support
- iSCSI Software Initiator Support.
- NVMe Boot Support
- HTTP/HTTPS Boot support as a PXE alternative.
- Platform Trust Technology (PTT) can be enabled.
- 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.
- TPM 2.0 is now embedded and no longer requires a separate module option kit.

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.

For a complete list of software as-a-service subscription SKUs and more information, visit the HPE Compute Ops Management QuickSpecs: https://www.hpe.com/psnow/doc/a50004263enw

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

For information on supported HPE servers, the complete list can be found here: https://www.hpe.com/info/com-supported-servers

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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. Learn more at http://www.hpe.com/servers/ahs.

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

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 (iLO REST) 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.

OS, UEFI, Server Management & Utilities, Security

Scripting Tools

Provision one to many servers using your own scripts to discover and deploy with Scripting Tool (STK) for Windows and Linux or Scripting Tools for Windows PowerShell. Learn more at http://www.hpe.com/servers/powershell.

HPE OneView Standard

HPE OneView Standard can be used for inventory, health monitoring, alerting, and reporting without additional fees. It can monitor multiple HPE server generations. The user interface is similar to the HPE OneView Advanced version, but the software-defined functionality is not available. Learn more at http://www.hpe.com/info/oneview.

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 iLO8) 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.

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 accomplished 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

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.

HPE Support Services

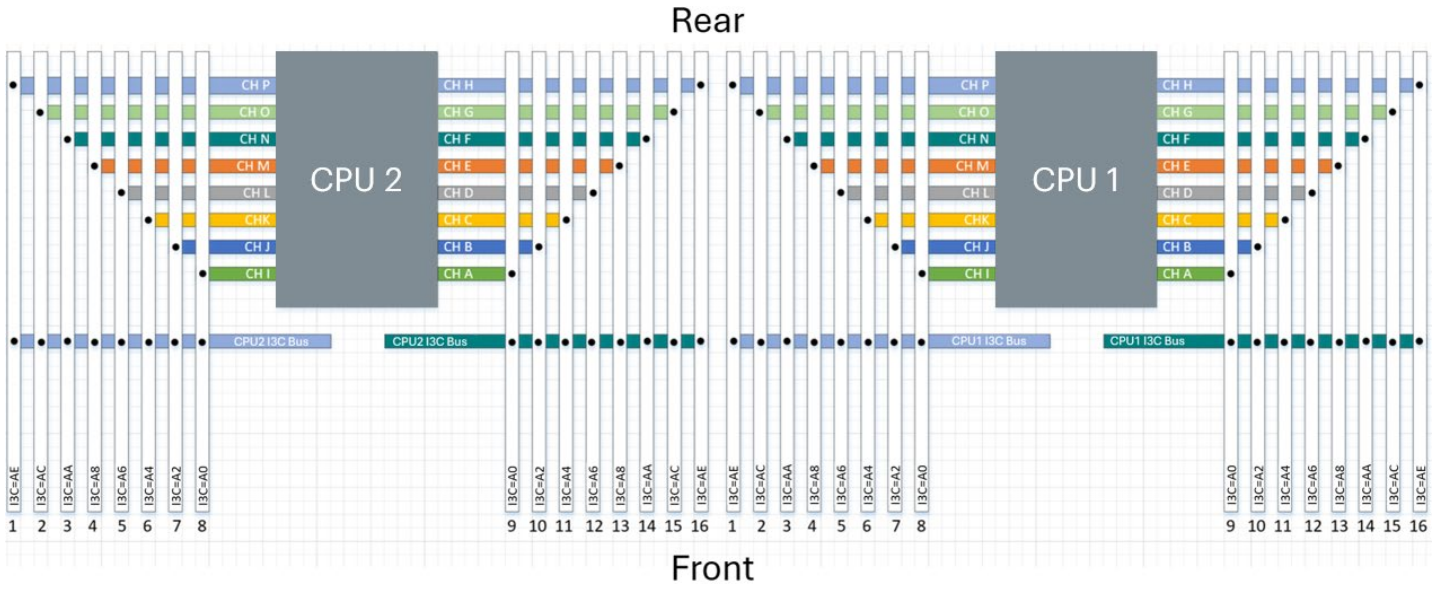
Installation & Start-up Services

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

Tech Care	Flex SKU	Fixed SKU
HPE 3 Year Tech Care Essential DL585a Gen13 HW Service	HU4A6A30C4W	H59QRE
HPE 3 Year Tech Care Essential wDMR DL585a Gen13 HW Service	HU4A7A30C4W	H59QSE
HPE 5 Year Tech Care Essential DL585a Gen13 HW Service	HU4A6A50C4W	H59RWE
HPE 5 Year Tech Care Essential wDMR DL585a Gen13 HW Service	HU4A7A50C4W	H59RXE

Notes: For a full listing of support services available for this server, please visit http://www.hpe.com/services.

Memory Population guidelines



HPE ProLiant DL585a Gen13

General Memory Population Rules and Guidelines:

- Support 2,4,8,12,16 memory population per CPU.
- For details on the HPE Server Memory Options Population Rules, visit: https://www.hpe.com/docs/server-memory
- For additional information, refer to the HPE DDR5 Smart Memory QuickSpecs.

Technical Specifications

System Unit

Dimensions (Height x Width x Depth)

- **Server**
  43.95 x 44.8 x 81.92 cm
  17.3 x 17.64 x 32.25 in
- **Package**
  94.6 x 80 x 120 cm
  37.25 x 31.5 x 47.25 in

Weight (approximate)

- **Server**
  Minimum: 87.97 kg (193.94 lbs.)
  Maximum: 117 kg (257.94 lbs.)
- **With Package:**
  156 kg (343.92 lbs.)

Notes:

- When moving the system, a lift and multiple people are recommended.
- Availability of a customer provided server-lift is required for Break-Fix Support activities on the system. When a server-lift is not available, HPE Field Support Engineers may refuse to work on the system due to potential health and safety concerns.

Input Requirements (per power supply)

Rated Line Voltage

- 200-240 VAC

BTU Rating

Maximum

- For 3200W Power Supply: 10577 BTU/hr. (at 200 VAC), 11713 BTU/hr. (at 220 VAC), 11699 BTU/hr. (at 240 VAC)

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.

Technical Specifications

System Inlet Temperature

- **Standard Operating Temperature**
  10° to 30°C (50° to 86°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. 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.
- **Non-operating**
  -30° to 60°C (-22° to 140°F). Maximum rate of change is 20°C/hr. (36°F/hr.).

Altitude

- **Operating**
  3050 m (10,000 ft.). This value may be limited by the type and number of options installed. Maximum allowable altitude change rate is 457 m/min (1500 ft./min).
- **Non-operating**
  9144 m (30,000 ft.). 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: http://www.hpe.com/support/Safety-Compliance-EnterpriseProducts

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 EU WEEE directive (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-26	Version 1	New	New QuickSpecs

Have feedback on QuickSpecs? We're listening

Chat now

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