HPE ProLiant ML110 Gen11

What's new

- Powered by 4th and 5th Gen Intel® Xeon® Scalable Processors that support up to 32 cores, 185W TDP.
- Increased memory bandwidth to 5600 MT/s[1], performance and lower power requirements with up to 1.5 TB DDR5 memory capacity with 16 DIMM slots.
- Advanced data transfer rates from the PCIe Gen5 serial expansion bus, support up to 4 standard PCIe Gen5 x16 slots and 1x 16 OCP3 slots.
- Includes HPE Integrated Lights-Out 6 (iLO 6) server management software that enables you to securely configure, monitor, and update your HPE ProLiant Gen11 servers seamlessly from anywhere.
- Supports hot-pluggable, high-availability, RAID1 protected M.2 NVMe boot option.

Overview

Are you searching for an affordable tower server with enterprise-class reliability and performance to meet the requirements of your growing business?

The HPE ProLiant ML110 Gen11 server is an enhanced single processor tower with performance, expansion, and security at an affordable price. It supports the 4th and 5th Gen Intel® Xeon® Scalable processor, HPE DDR5 SmartMemory with a maximum capacity of 1536 GB, 4x 16 PCIe Gen5 slots, 1x 16 OCP3 slot, eight large form factor (LFF) or 16 small form factor (SFF) disk drives. It can easily be converted to a rack using 5.5U of rack space. The HPE ProLiant ML110 Gen11 server also offers optional redundant fan and redundant power supply to satisfy automatic fail-over needs, making this the ideal server for small- to mid-sized businesses, and remote and branch offices.

– Support NVIDIA® RTX 4000 Ada Graphics Accelerator and L4 24GB PCIe Accelerator.

Features

Intuitive Cloud Operating Experience: Simple, Unified, and Automated

HPE ProLiant ML110 Gen11 servers are engineered for your hybrid world. HPE ProLiant Gen11 servers simplify the way you control your business's compute—from edge to cloud—with a cloud operating experience.

Transform business operations and pivot your team from reactive to proactive with global visibility and insight through a single console.

Automate tasks for efficiency in deployment, instant scalability, and seamless, simplified support and lifecycle management, effectively reducing tasks and shortening maintenance windows.

These experiences are engineered and built into all HPE ProLiant Gen11 servers, whether purchased as physical servers or consumed as-a-service using GreenLake Flex Solutions as your compute and storage demands grow.

Simplify and secure server management from edge to cloud with HPE Compute Ops Management. HPE Compute Ops Management is an as-a-service compute management experience that delivers greater simplicity, agility, and speed across your entire compute landscape, globally.

Trusted Security by Design: Uncompromising, Fundamental, and Protected

HPE ProLiant ML110 Gen11 server uses the silicon root of trust to anchor the firmware of HPE ASIC, creating an immutable fingerprint for the Intel® Processor that must be matched exactly before the server will boot. This verifies that malicious code is contained, and healthy servers are protected.

HPE ProLiant Gen11 servers continuously protect healthy servers at the edge by providing rapid detection of security-compromised servers, even to the point of not allowing them to boot if it identifies and contains malicious code, with IDevID certificates installed by default.

HPE ProLiant Gen11 servers provide automated recovery from a security event, including restoration of validated firmware, and facilitating recovery of the operating system, application, data connections, and providing a fast path to bring a server back online and into normal operations.

From silicon to software, from factory to cloud, and from generation to generation, HPE ProLiant Gen11 is engineered with a fundamental security approach to defend against increasingly complex threats through an uncompromising commitment to constant security advancements that are built into our DNA.

Customized Performance for your Workloads: Accelerated, Open, and Efficient

The HPE ProLiant ML110 Gen11 server is an excellent choice for compute and data storage balanced workloads (IT infrastructure, Data Management, VDI, ERP/CRM) requiring outstanding performance, network and I/O bandwidth.

Harness advanced compute performance. HPE ProLiant ML110 Gen11 server is powered by 4th and 5th Gen Intel® Xeon® Scalable Processors that support up to 32 cores at 185W TDP.

Enjoy advanced data transfer rates and higher network speeds from the PCIe Gen5 serial expansion bus, with up to 4x 16 PCIe Gen5 and 1x 16 OCP slots to improve I/O throughput and reduce latency.

Utilize 16 DIMM slots for up to 1.5 TB DDR5 memory with increased memory bandwidth and performance, and lower power requirements.

Industry-leading Services and Ease of Deployment

The HPE ProLiant ML110 Gen11 server comes with a complete set of HPE Services, delivering confidence, reducing risk, and helping customers realize agility and stability.

HPE Services simplify all stages of the IT journey. Advisory and Transformation Services professionals understand customer challenges and design an effective solution. Professional Services enable rapid deployment of solutions and Operational Services provide ongoing support.

Services provided under Operational Services include: HPE Flexible Capacity, HPE Datacenter Care, HPE Infrastructure Automation, HPE Campus Care, HPE Proactive Services and multi-vendor coverage.

HPE IT investment solutions help you transform to a digital business with IT economics that align to your business goals.

Benefit from real-time operational feedback on server performance plus recommendations for fine-tuning BIOS settings to customize for changing business needs.

Technical specifications	HPE ProLiant ML110 Gen11
Processor type	Intel
Processor family	4th Gen and 5th Gen Intel® Xeon® Scalable Processors
Processor number	1
Processor core available	8 to 32 cores, depending on processor.
Processor speed	3.2 GHz, maximum depending on processor.
Processor cache	22.5 MB L3 - 60 MB L3, depending on processor.
Memory type	HPE DDR5 Smart Memory
Maximum memory	1536 GB with 96 GB DDR5
Memory slots	16 DIMM slots
Memory protection features	Advanced ECC Memory Online Spare Mode Memory Lock Step Mode
Accelerators	Optional: Supports NVIDIA® L4/RTX 4000 Ada Graphics Accelerator for HPE, pending configuration
System fan features	Depending on model, Standard 2 fans, non-hot-plug. Optional 2 additional fans for N+1 redundancy. Refer to the QuickSpecs for more detail.
Expansion slots	2 to 4x 16 PCIe Gen5 and 1x 16 OCP3 slot. Refer to the QuickSpecs for more detail.
Form factor	4.5U Tower. Optional standalone Tower-to-Rack conversion kit (P47394-B21) to convert the unit to a 5.5U Rack-mount server.
Network controller	Embedded 2x 1Gb NIC
Storage controller	Embedded Intel® VROC SATA/NVMe
Drive supported	4 to 8 LFF SAS/SATA or 8 to 16 SFF SAS/SATA HDD/SDD
Optical drive type	Optional DVD-ROM or DVD-RW. Optional via ODD cable Kit. Optional Half-Height RDX, up to 1. Refer to the QuickSpecs for more detail.
Power supply type	2 Flexible Slot power supplies maximum, depending on model.
Infrastructure management	Included: HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) Optional: HPE iLO Advanced, HPE OneView Advanced (require licenses) and HPE Compute Ops Management. Refer to the iLO 6 User Guide

Technical specifications	HPE ProLiant ML110 Gen11
Security	UEFI Secure Boot and Secure Start support. Intel® Software Guard Extensions (SGX) support. Immutable Silicon Root of Trust. TPM (Trusted Platform Module) 2.0 support. Front bezel key-lock feature, Intrusion cable (Optional), Padlock slot and Kensington Lock slot support. For full security features refer to the QuickSpecs.
Warranty	3/3/3: Server Warranty includes three years of parts, three years of labor, and three years of on-site support coverage. Additional information regarding worldwide limited warranty and technical support is available at: https://support.hpe.com/hpesc/public/docDisplay?docId=sd00004309en_us. Additional HPE support and service coverage for your product can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the HPE website at https://www.hpe.com/support

[1] DDR5 5600 MT/s memory is limited to support with 5th Gen Intel® processors. The maximum memory speed is a function of the memory type, memory configuration, and processor model.

SKU comparison

	HPE ProLiant ML110 Gen11 3508U 2.1GHz 8c 1P 1x32GB-R 8SFF 2x480GB SSD 2x1000W PS EU Server (P81774-425)	HPE ProLiant ML110 Gen11 4510 12-core 1P 64GB-R MR408i-o 8SFF 2x480GB SSD 2x1000W RPS EU Server (P71659-425)	HPE ProLiant ML110 Gen11 4510 2.4GHz 12c 1P 2x32GB-R 8SFF NS204i-u MR408i-o 2x1000W PS EU Server (P85581-425)	HPE ProLiant ML110 Gen11 4510 2.4GHz 12c 1P 32GB-R 4LFF 2x4TB HDD 2x1000W PS EU Server (P77234-425)	HPE ProLiant ML110 Gen11 4514Y 2.0GHz 16c 1P 2x32GB-R 8SFF MR408i-o 2x480GB SSD 2x1000W PS EU Server (P83112-425)
Detailed product description	Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now! HPE ProLiant ML110 Gen11 server with one Intel® Xeon® Bronze 3508U Processor, 32 GB (1x32 GB) Dual Rank Memory, Embedded Intel VROC SATA/NVMe, support for eight SFF drives, two standard fans, two HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSDs, two HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kits, one TPM (Trusted Platform Module), one HPE ProLiant Compute ML Gen11/Gen12 Intrusion Cable Kit, and a 3/3/3 warranty	Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now! HPE ProLiant ML110 Gen11 server with one Intel® Xeon® Silver 4510 Processor, 64 GB (2x32 GB) Dual Rank Memory, one HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller, support for eight SFF drives, two standard fans, two HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSDs, two HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kits, one TPM (Trusted Platform Module), one HPE ProLiant Compute ML Gen11/Gen12 Intrusion Cable Kit, and a 3/3/3 warranty	Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now! HPE ProLiant ML110 Gen11 server with one Intel® Xeon® Silver 4510 Processor, 64 GB (2x32 GB) Dual Rank Memory, one HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device, one HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller, support for eight SFF drives, one HPE ProLiant ML110 Gen11 Redundant Fan Kit, two HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kits, one TPM (Trusted Platform Module), one HPE ProLiant Compute ML Gen11/Gen12 Intrusion Cable Kit, and a 3/3/3 warranty	Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now! HPE ProLiant ML110 Gen11 server with one Intel® Xeon® Silver 4510 Processor, 32 GB (1x32 GB) Dual Rank Memory, Embedded Intel VROC SATA/NVMe, support for four LFF drives, two standard fans, two HPE 4TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDDs, two HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kits, one TPM (Trusted Platform Module), one HPE ProLiant Compute ML Gen11/Gen12 Intrusion Cable Kit, and a 3/3/3 warranty	Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now! HPE ProLiant ML110 Gen11 server with one Intel® Xeon® Silver 4514Y Processor, 64 GB (2x32 GB) Dual Rank Memory, one HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller, support for eight SFF drives, two standard fans, two HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSDs, two HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kits, one TPM (Trusted Platform Module), one HPE ProLiant Compute ML Gen11/Gen12 Intrusion Cable Kit, and a 3/3/3 warranty
Processor name	Intel® Xeon® Bronze 3508U (8 core, 2.10 GHz, 22.5 MB L3, 125W)	Intel® Xeon® Silver 4510 (12 core, 2.40 GHz, 30 MB L3, 150W)	Intel® Xeon® Silver 4510 (12 core, 2.40 GHz, 30 MB L3, 150W)	Intel® Xeon® Silver 4510 (12 core, 2.40 GHz, 30 MB L3, 150W)	Intel® Xeon® Silver 4514Y (16 core, 2.00 GHz, 30 MB L3, 150W)
Processor number	1 processor included				
Processor core available	8 core	12 core	12 core	12 core	16 core

	HPE ProLiant ML110 Gen11 3508U 2.1GHz 8c 1P 1x32GB-R 8SFF 2x480GB SSD 2x1000W PS EU Server (P81774-425)	HPE ProLiant ML110 Gen11 4510 12-core 1P 64GB-R MR408i-o 8SFF 2x480GB SSD 2x1000W RPS EU Server (P71659-425)	HPE ProLiant ML110 Gen11 4510 2.4GHz 12c 1P 2x32GB-R 8SFF NS204i-u MR408i-o 2x1000W PS EU Server (P85581-425)	HPE ProLiant ML110 Gen11 4510 2.4GHz 12c 1P 32GB-R 4LFF 2x4TB HDD 2x1000W PS EU Server (P77234-425)	HPE ProLiant ML110 Gen11 4514Y 2.0GHz 16c 1P 2x32GB-R 8SFF MR408i-o 2x480GB SSD 2x1000W PS EU Server (P83112-425)
Processor speed	2.10 GHz	2.40 GHz	2.40 GHz	2.40 GHz	2.00 GHz
Processor cache	22.5 MB L3	30 MB L3	30 MB L3	30 MB L3	30 MB L3
Memory type	HPE DDR5 Smart Memory				
Included memory	32 GB (1x32 GB, 5600 MT/s)	64 GB (2x32 GB, 5600 MT/s)	64 GB (2x32 GB, 5600 MT/s)	32 GB (1x32 GB, 5600 MT/s)	64 GB (2x32 GB, 5600 MT/s)
Accelerators	Optional: Supports NVIDIA® L4/RTX 4000 Ada Graphics Accelerator for HPE, pending configuration				
System fan features	2x Standard Fans	2x Standard Fans	4x Standard Fans	2x Standard Fans	2x Standard Fans
Expansion slots	2 to 4x 16 PCIe Gen5 and 1x 16 OCP3 slot. Refer to the QuickSpecs for more detail.	Default with 2 x16 PCIe 5.0 Slots and 1 x16 OCP3 slot.	2 to 4x 16 PCIe Gen5 and 1x 16 OCP3 slot. Refer to the QuickSpecs for more detail.	2 to 4x 16 PCIe Gen5 and 1x 16 OCP3 slot. Refer to the QuickSpecs for more detail.	2 to 4x 16 PCIe Gen5 and 1x 16 OCP3 slot. Refer to the QuickSpecs for more detail.
Form factor	4.5U Tower. Optional standalone Tower-to-Rack conversion kit (P47394-B21) to convert the unit to a 5.5U Rack-mount server.				
Network controller	Embedded 2-Port 1GbE BCM5720 networking ports				
Storage controller	Embedded Intel VROC SATA/NVMe	HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller	HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller	Embedded Intel VROC SATA/NVMe	HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller
Included drives	2x HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	2x HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	None ship standard, 8 SFF supported	2x HPE 4TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD	2x HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD

	HPE ProLiant ML110 Gen11 3508U 2.1GHz 8c 1P 1x32GB-R 8SFF 2x480GB SSD 2x1000W PS EU Server (P81774-425)	HPE ProLiant ML110 Gen11 4510 12-core 1P 64GB-R MR408i-o 8SFF 2x480GB SSD 2x1000W RPS EU Server (P71659-425)	HPE ProLiant ML110 Gen11 4510 2.4GHz 12c 1P 2x32GB-R 8SFF NS204i-u MR408i-o 2x1000W PS EU Server (P85581-425)	HPE ProLiant ML110 Gen11 4510 2.4GHz 12c 1P 32GB-R 4LFF 2x4TB HDD 2x1000W PS EU Server (P77234-425)	HPE ProLiant ML110 Gen11 4514Y 2.0GHz 16c 1P 2x32GB-R 8SFF MR408i-o 2x480GB SSD 2x1000W PS EU Server (P83112-425)
Optical drive type	Optional DVD-ROM or DVD-RW. Optional via ODD cable Kit. Optional Half-Height RDX, up to 1. Refer to the QuickSpecs for more detail.	Optional. None ship standard.	Optional DVD-ROM or DVD-RW. Optional via ODD cable Kit. Optional Half-Height RDX, up to 1. Refer to the QuickSpecs for more detail.	Optional. None ship standard.	Optional DVD-ROM or DVD-RW. Optional via ODD cable Kit. Optional Half-Height RDX, up to 1. Refer to the QuickSpecs for more detail.
Power supply type	2x HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit				
Infrastructure management	Included: HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) Optional: HPE iLO Advanced, HPE OneView Advanced (require licenses) and HPE Compute Ops Management. Refer to the iLO 6 User Guide				
Security	UEFI Secure Boot and Secure Start support. Intel® Software Guard Extensions (SGX) support. Immutable Silicon Root of Trust. TPM (Trusted Platform Module) 2.0 support. Front bezel key-lock feature, Intrusion cable (Optional), Padlock slot and Kensington Lock slot support. For full security features refer to the QuickSpecs.	UEFI Secure Boot and Secure Start support. Intel® Software Guard Extensions (SGX) support. Immutable Silicon Root of Trust. TPM (Trusted Platform Module) 2.0 support. Front bezel key-lock feature, Intrusion cable (Included), Padlock slot and Kensington Lock slot support.	UEFI Secure Boot and Secure Start support. Intel® Software Guard Extensions (SGX) support. Immutable Silicon Root of Trust. TPM (Trusted Platform Module) 2.0 support. Front bezel key-lock feature, Intrusion cable (Optional), Padlock slot and Kensington Lock slot support. For full security features refer to the QuickSpecs.	UEFI Secure Boot and Secure Start support. Intel® Software Guard Extensions (SGX) support. Immutable Silicon Root of Trust. TPM (Trusted Platform Module) 2.0 support. Front bezel key-lock feature, Intrusion cable (Optional), Padlock slot and Kensington Lock slot support. For full security features refer to the QuickSpecs.	UEFI Secure Boot and Secure Start support. Intel® Software Guard Extensions (SGX) support. Immutable Silicon Root of Trust. TPM (Trusted Platform Module) 2.0 support. Front bezel key-lock feature, Intrusion cable (Optional), Padlock slot and Kensington Lock slot support. For full security features refer to the QuickSpecs.
Warranty	3/3/3: Server Warranty includes three years of parts, three years of labor, and three years of on-site support coverage. Additional information regarding worldwide limited warranty and technical support is available at: https://support.hpe.com/hpesc/public/docDisplay?docId=sd00004309en_us. Additional HPE support and service coverage for your product can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the HPE website at https://www.hpe.com/support.				

	HPE ProLiant ML110 Gen11 5416S 2.0GHz 16c 1P 2x32GB-R 8SFF MR408i-o 2x960GB SSD 2x1000W PS EU Server (P84637-425)	HPE ProLiant ML110 Gen11 5515+ 3.2GHz 8c 1P 1x64GB-R 8SFF MR408i-o 2x1000W PS EU Server (P93224-425)
Detailed product description	Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now! HPE ProLiant ML110 Gen11 server with one Intel® Xeon® Gold 5416S Processor, 64 GB (2x32 GB) Dual Rank Memory, one HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller, support for eight SFF drives, one HPE ProLiant ML110 Gen11 Redundant Fan Kit, two HPE 960GB SATA 6G Read Intensive SFF BC Multi Vendor SSDs, two HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kits, one TPM (Trusted Platform Module), one HPE ProLiant Compute ML Gen11/Gen12 Intrusion Cable Kit, and a 3/3/3 warranty	Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now! HPE ProLiant ML110 Gen11 server with one Intel® Xeon® Gold 5515+ Processor, 64 GB (1x64 GB) Dual Rank Memory, one HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller, support for eight SFF drives, one HPE ProLiant ML110 Gen11 Redundant Fan Kit, two HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kits, one TPM (Trusted Platform Module), one HPE ProLiant Compute ML Gen11/Gen12 Intrusion Cable Kit, and a 3/3/3 warranty
Processor name	Intel® Xeon® Gold 5416S (16 core, 2.00 GHz, 30 MB L3, 150W)	Intel® Xeon® Gold 5515+ (8 core, 3.20 GHz, 22.5 MB L3, 165W)
Processor number	1 processor included	
Processor core available	16 core	8 core
Processor speed	2.00 GHz	3.20 GHz
Processor cache	30 MB L3	22.5 MB L3
Memory type	HPE DDR5 Smart Memory	
Included memory	64 GB (2x32 GB, 4800 MT/s)	64 GB (1x64 GB, 5600 MT/s)
Accelerators	Optional: Supports NVIDIA® L4/RTX 4000 Ada Graphics Accelerator for HPE, pending configuration	
System fan features	4x Standard Fans	
Expansion slots	2 to 4x 16 PCIe Gen5 and 1x 16 OCP3 slot. Refer to the QuickSpecs for more detail.	
Form factor	4.5U Tower. Optional standalone Tower-to-Rack conversion kit (P47394-B21) to convert the unit to a 5.5U Rack-mount server.	
Network controller	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T Adapter for HPE	Embedded 2-Port 1GbE BCM5720 networking ports
Storage controller	HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller	

	HPE ProLiant ML110 Gen11 5416S 2.0GHz 16c 1P 2x32GB-R 8SFF MR408i-o 2x960GB SSD 2x1000W PS EU Server (P84637-425)	HPE ProLiant ML110 Gen11 5515+ 3.2GHz 8c 1P 1x64GB-R 8SFF MR408i-o 2x1000W PS EU Server (P93224-425)
Included drives	2x HPE 960GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	None ship standard, 8 SFF supported
Optical drive type	Optional DVD-ROM or DVD-RW. Optional via ODD cable Kit. Optional Half-Height RDX, up to 1. Refer to the QuickSpecs for more detail.	
Power supply type	2x HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit	
Infrastructure management	Included: HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) Optional: HPE iLO Advanced, HPE OneView Advanced (require licenses) and HPE Compute Ops Management. Refer to the iLO 6 User Guide	HPE iLO Standard with Intelligent Provisioning (embedded), HPE OneView Standard (requires download) Optional: HPE iLO Advanced, HPE OneView Advanced (require licenses) and HPE Compute Ops Management (optional subscription available) Refer to the iLO 6 User Guide
Security	UEFI Secure Boot and Secure Start support. Intel® Software Guard Extensions (SGX) support. Immutable Silicon Root of Trust. TPM (Trusted Platform Module) 2.0 support. Front bezel key-lock feature, Intrusion cable (Optional), Padlock slot and Kensington Lock slot support. For full security features refer to the QuickSpecs.	
Warranty	3/3/3: Server Warranty includes three years of parts, three years of labor, and three years of on-site support coverage. Additional information regarding worldwide limited warranty and technical support is available at: https://support.hpe.com/hpesc/public/docDisplay?docId=sd00004309en_us. Additional HPE support and service coverage for your product can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the HPE website at https://www.hpe.com/support.	

Related Options

The following options are available for these series:

SKU	Description
Accelerators	
P70544-B21	HPE ProLiant ML110 Gen11 8-pin/16-pin Cable Kit for NVIDIA GPU
P66618-B21	HPE ProLiant ML110 Gen11 NVIDIA L4 GPU Support Kit
Adapters	
P51178-B21	Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T Adapter for HPE
P51181-B21	Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE
P26259-B21	Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ Adapter for HPE
P26256-B21	Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE
P26262-B21	Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
P10115-B21	Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
P26253-B21	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T Adapter for HPE
P10097-B21	Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter for HPE
P26269-B21	Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
R2J62A	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter
R2J63A	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter
R2E08A	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter
R2E09A	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter
P21112-B21	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
P22767-B21	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
P08443-B21	Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
P10106-B21	Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
P08458-B21	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
P21106-B21	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
P08449-B21	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
Batteries/Chargers	
P02381-B21	HPE Smart Storage Hybrid Capacitor with 260mm Cable Kit
Boot Devices	
P48183-B21	HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device

Cables/Cable Kits

A0K02A	HPE C13 - C14 WW 250V 10Amp 2.0m Jumper Cord
P47226-B21	HPE ProLiant Compute ML Gen11/Gen12 Intrusion Cable Kit
P62356-B21	HPE ProLiant ML110 Gen11 LTO Cable Kit
P61742-B21	HPE ProLiant ML110 Gen11 NS204i-u Enablement Kit
P53489-B21	HPE ProLiant ML110 Gen11 Serial Port Cable Kit

Conversion Kits

P47394-B21	HPE ProLiant Compute ML Gen11/Gen12 Tower to Rack Conversion Kit

Drives and storage

P28586-B21	HPE 1.2TB SAS 12G Mission Critical 10K SFF BC 3-year Warranty Multi Vendor HDD
P28622-B21	HPE 1.2TB SAS 12G Mission Critical 10K SFF BC 3yr Wty FIPS 140-2 TAA-compliant HDD
P49049-B21	HPE 1.6TB SAS 24G Mixed Use SFF BC Multi Vendor SSD
P83344-B21	HPE 1.6TB SAS Mixed Use SFF BC Self-encrypting FIPS 140-3 PM7 SSD
P53562-B21	HPE 1.8TB SAS 12G Mission Critical 10K SFF BC 3-year Warranty 512e Multi Vendor HDD
P80324-B21	HPE 1.92TB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD
P40511-B21	HPE 1.92TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD
P40507-B21	HPE 1.92TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD
P49031-B21	HPE 1.92TB SAS 24G Read Intensive SFF BC Multi Vendor SSD
P40504-B21	HPE 1.92TB SATA 6G Mixed Use SFF BC Multi Vendor SSD
P40499-B21	HPE 1.92TB SATA 6G Read Intensive SFF BC Multi Vendor SSD
861686-B21	HPE 1TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD
801882-B21	HPE 1TB SATA 6G Business Critical 7.2K LFF RW 1-year Warranty Multi Vendor HDD
P28352-B21	HPE 2.4TB SAS 12G Mission Critical 10K SFF BC 3-year Warranty 512e Multi Vendor HDD
P28618-B21	HPE 2.4TB SAS 12G Mission Critical 10K SFF BC 3yr Wty 512e FIPS 140-2 TAA-compliant HDD
861681-B21	HPE 2TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD
P49053-B21	HPE 3.2TB SAS 24G Mixed Use SFF BC Multi Vendor SSD
P40512-B21	HPE 3.84TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD
P40508-B21	HPE 3.84TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD
P49035-B21	HPE 3.84TB SAS 24G Read Intensive SFF BC Multi Vendor SSD
P83347-B21	HPE 3.84TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 SSD
P40505-B21	HPE 3.84TB SATA 6G Mixed Use SFF BC Multi Vendor SSD
P40500-B21	HPE 3.84TB SATA 6G Read Intensive SFF BC Multi Vendor SSD
833928-B21	HPE 4TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD
861683-B21	HPE 4TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD
801888-B21	HPE 4TB SATA 6G Business Critical 7.2K LFF RW 1-year Warranty Multi Vendor HDD

P49057-B21	HPE 6.4TB SAS 24G Mixed Use SFF BC Multi Vendor SSD
861742-B21	HPE 6TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty 512e Multi Vendor HDD
P40509-B21	HPE 7.68TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD
P49041-B21	HPE 7.68TB SAS 24G Read Intensive SFF BC Multi Vendor SSD
P40501-B21	HPE 7.68TB SATA 6G Read Intensive SFF BC Multi Vendor SSD
834031-B21	HPE 8TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty 512e Multi Vendor HDD
834028-B21	HPE 8TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty 512e Multi Vendor HDD
726536-B21	HPE 9.5mm SATA DVD-ROM Optical Drive
726537-B21	HPE 9.5mm SATA DVD-RW Optical Drive
881781-B21	HPE 12TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e Multi Vendor HDD
881787-B21	HPE 12TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e Multi Vendor HDD
P49045-B21	HPE 15.36TB SAS 24G Read Intensive SFF BC Multi Vendor SSD
P23608-B21	HPE 16TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD
P23449-B21	HPE 16TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD
P53553-B21	HPE 20TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD
P53554-B21	HPE 20TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD
P68583-B21	HPE 24TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD
P68585-B21	HPE 24TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD
P80577-B21	HPE 26TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD
P80578-B21	HPE 26TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD
P40430-B21	HPE 300GB SAS 12G Mission Critical 10K SFF BC 3-year Warranty Multi Vendor HDD
P80318-B21	HPE 480GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD
P40502-B21	HPE 480GB SATA 6G Mixed Use SFF BC Multi Vendor SSD
P47818-B21	HPE 480GB SATA 6G Read Intensive M.2 Multi Vendor SSD
P40497-B21	HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD
P58236-B21	HPE 480GB SATA 6G Read Intensive SFF BC Self-encrypting 5400P SSD
P53561-B21	HPE 600GB SAS 12G Mission Critical 10K SFF BC 3-year Warranty Multi Vendor HDD
P49047-B21	HPE 800GB SAS 24G Mixed Use SFF BC Multi Vendor SSD
P80321-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD
P80327-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 Self-encrypting PE9010 SSD
P37009-B21	HPE 960GB SAS 12G Mixed Use LFF LPC Value SAS Multi Vendor SSD
P40510-B21	HPE 960GB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD
P40506-B21	HPE 960GB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD
P49029-B21	HPE 960GB SAS 24G Read Intensive SFF BC Multi Vendor SSD
P40503-B21	HPE 960GB SATA 6G Mixed Use SFF BC Multi Vendor SSD

P58244-B21	HPE 960GB SATA 6G Mixed Use SFF BC Self-encrypting 5400M SSD
P47808-B21	HPE 960GB SATA 6G Read Intensive LFF LPC Multi Vendor SSD
P40498-B21	HPE 960GB SATA 6G Read Intensive SFF BC Multi Vendor SSD
701498-B21	HPE Mobile USB DVD-RW Optical Drive
P53482-B21	HPE ProLiant ML110 Gen11 4LFF Drive Cage Kit
P53481-B21	HPE ProLiant ML110 Gen11 4LFF Non-hot Plug Drive Cage Kit
P53483-B21	HPE ProLiant ML110 Gen11 8SFF Drive Cage Kit
P53484-B21	HPE ProLiant ML110 Gen11 LFF PCIe Cable Kit
P53485-B21	HPE ProLiant ML110 Gen11 SFF OROC Cable Kit
P55859-B21	HPE ProLiant ML110 Gen11 SFF PCIe Cable Kit

Enterprise Memory Options

P43322-B21	HPE 16GB (1x16GB) Single Rank x8 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit
P64705-B21	HPE 16GB (1x16GB) Single Rank x8 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit
P43328-B21	HPE 32GB (1x32GB) Dual Rank x8 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit
P64706-B21	HPE 32GB (1x32GB) Dual Rank x8 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit
P43331-B21	HPE 64GB (1x64GB) Dual Rank x4 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit
P64707-B21	HPE 64GB (1x64GB) Dual Rank x4 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit
P64708-B21	HPE 96GB (1x96GB) Dual Rank x4 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit

Fans/Fan Options

P49984-B21	HPE ProLiant ML110 Gen11 Redundant Fan Kit

high performance computing software

S2S31AAE	NVIDIA AI Enterprise Educational per GPU 1-year 24x7 Support E-LTU
S2S37AAE	NVIDIA AI Enterprise Educational per GPU 1-year 24x7 Support Renewal E-LTU
S2S22AAE	NVIDIA AI Enterprise Educational per GPU 1-year Subscription 9x5 Support E-LTU
S2S25AAE	NVIDIA AI Enterprise Educational per GPU 1-year Subscription 9x5 Support Renewal E-LTU
S2S32AAE	NVIDIA AI Enterprise Educational per GPU 3-year 24x7 Support E-LTU
S2S38AAE	NVIDIA AI Enterprise Educational per GPU 3-year 24x7 Support Renewal E-LTU
S2S23AAE	NVIDIA AI Enterprise Educational per GPU 3-year Subscription 9x5 Support E-LTU
S2S26AAE	NVIDIA AI Enterprise Educational per GPU 3-year Subscription 9x5 Support Renewal E-LTU
S2S33AAE	NVIDIA AI Enterprise Educational per GPU 5-year 24x7 Support E-LTU
S2S39AAE	NVIDIA AI Enterprise Educational per GPU 5-year 24x7 Support Renewal E-LTU
S2S24AAE	NVIDIA AI Enterprise Educational per GPU 5-year Subscription 9x5 Support E-LTU
S2S27AAE	NVIDIA AI Enterprise Educational per GPU 5-year Subscription 9x5 Support Renewal E-LTU
S2S28AAE	NVIDIA AI Enterprise per GPU 1-year 24x7 Support E-LTU
S2S34AAE	NVIDIA AI Enterprise per GPU 1-year 24x7 Support Renewal E-LTU

S2S16AAE	NVIDIA AI Enterprise per GPU 1-year Subscription 9x5 Support E-LTU
S2S19AAE	NVIDIA AI Enterprise per GPU 1-year Subscription 9x5 Support Renewal E-LTU
S2S29AAE	NVIDIA AI Enterprise per GPU 3-year 24x7 Support E-LTU
S2S35AAE	NVIDIA AI Enterprise per GPU 3-year 24x7 Support Renewal E-LTU
S2S17AAE	NVIDIA AI Enterprise per GPU 3-year Subscription 9x5 Support E-LTU
S2S20AAE	NVIDIA AI Enterprise per GPU 3-year Subscription 9x5 Support Renewal E-LTU
S2S30AAE	NVIDIA AI Enterprise per GPU 5-year 24x7 Support E-LTU
S2S36AAE	NVIDIA AI Enterprise per GPU 5-year 24x7 Support Renewal E-LTU
S2S18AAE	NVIDIA AI Enterprise per GPU 5-year Subscription 9x5 Support E-LTU
S2S21AAE	NVIDIA AI Enterprise per GPU 5-year Subscription 9x5 Support Renewal E-LTU

Licenses/Certificates

Q2A48A	HPE Performance Message Passing Interface for 1 Socket 3yr Support LTU

Management Options

P65042-B21	HPE 16W Smart Hybrid Capacitor with 260mm Cable
P01367-B21	HPE 96W Smart Storage Lithium-ion Battery with 260mm Cable Kit
P47789-B21	HPE MR216i-o Gen11 x16 Lanes without Cache OCP SPDM Storage Controller
P47785-B21	HPE MR216i-p Gen11 x16 Lanes without Cache PCI SPDM Plug-in Storage Controller
P58335-B21	HPE MR408i-o Gen11 x8 Lanes 4GB Cache OCP SPDM Storage Controller
P74775-B21	HPE MR408i-p Gen11 x8 Lanes 4GB Cache PCI SPDM Plug-in Storage Controller
P47781-B21	HPE MR416i-o Gen11 x16 Lanes 8GB Cache OCP SPDM Storage Controller
P47777-B21	HPE MR416i-p Gen11 x16 Lanes 8GB Cache PCI SPDM Plug-in Storage Controller
804398-B21	HPE Smart Array E208e-p SR Gen10 (8 External Lanes/No Cache) 12G SAS PCIe Plug-in Controller

Operating Systems

P77127-291	Microsoft Windows Server 2022 Downgrade Datacenter Reseller Option Kit Japanese SW
P77126-291	Microsoft Windows Server 2022 Downgrade Standard Reseller Option Kit Japanese SW
P77111-B21	Microsoft Windows Server 2025 1 Device CAL WW LTU
P77110-AA1	Microsoft Windows Server 2025 1 User CAL Chinese Simplified LTU
P77110-B21	Microsoft Windows Server 2025 1 User CAL WW LTU
P77109-B21	Microsoft Windows Server 2025 2-core Datacenter Additional License WW SW
P77106-AA1	Microsoft Windows Server 2025 2-core Standard Additional License Chinese Simplified SW
P77106-AB1	Microsoft Windows Server 2025 2-core Standard Additional License Chinese Traditional SW
P77106-B21	Microsoft Windows Server 2025 2-core Standard Additional License WW SW
P77108-B21	Microsoft Windows Server 2025 4-core Datacenter Additional License WW SW
P77105-B21	Microsoft Windows Server 2025 4-core Standard Additional License WW SW
P77113-B21	Microsoft Windows Server 2025 5 Devices CAL WW LTU

P77112-AA1	Microsoft Windows Server 2025 5 Users CAL Chinese Simplified LTU
P77112-AB1	Microsoft Windows Server 2025 5 Users CAL Chinese Traditional LTU
P77112-B21	Microsoft Windows Server 2025 5 Users CAL WW LTU
P77115-B21	Microsoft Windows Server 2025 10 Devices CAL WW LTU
P77114-B21	Microsoft Windows Server 2025 10 Users CAL WW LTU
P77103-AA1	Microsoft Windows Server 2025 10-core Essentials Reseller Option Kit Chinese Simplified SW
P77103-AB1	Microsoft Windows Server 2025 10-core Essentials Reseller Option Kit Chinese Traditional SW
P77103-291	Microsoft Windows Server 2025 10-core Essentials Reseller Option Kit Japanese SW
S6L39A	Microsoft Windows Server 2025 10-core Essentials Reseller Option Kit WW ESD LTU
P77103-021	Microsoft Windows Server 2025 10-core Essentials Reseller Option Kit en/cs/pl/ru/sv SW
P77103-A21	Microsoft Windows Server 2025 10-core Essentials Reseller Option Kit en/fr/de/es/it/pt/nl SW
P77103-DN1	Microsoft Windows Server 2025 10-core Essentials Reseller Option Kit en/fr/es/xc SW
P77103-371	Microsoft Windows Server 2025 10-core Essentials Reseller Option Kit en/ko SW
P77107-B21	Microsoft Windows Server 2025 16-core Datacenter Additional License WW SW
P77102-291	Microsoft Windows Server 2025 16-core Datacenter Reassignment Reseller Option Kit Japanese SW
S6L37A	Microsoft Windows Server 2025 16-core Datacenter Reassignment Reseller Option Kit WW ESD LTU
P77102-B21	Microsoft Windows Server 2025 16-core Datacenter Reassignment Reseller Option Kit en/fr/de/es SW
P77101-AA1	Microsoft Windows Server 2025 16-core Datacenter Reseller Option Kit Chinese Simplified SW
P77101-AB1	Microsoft Windows Server 2025 16-core Datacenter Reseller Option Kit Chinese Traditional SW
P77101-291	Microsoft Windows Server 2025 16-core Datacenter Reseller Option Kit Japanese SW
S6L36A	Microsoft Windows Server 2025 16-core Datacenter Reseller Option Kit WW ESD LTU
P77101-021	Microsoft Windows Server 2025 16-core Datacenter Reseller Option Kit en/cs/pl/ru/sv SW
P77101-A21	Microsoft Windows Server 2025 16-core Datacenter Reseller Option Kit en/fr/de/es/it/pt/nl SW
P77101-DN1	Microsoft Windows Server 2025 16-core Datacenter Reseller Option Kit en/fr/es/xc SW
P77101-371	Microsoft Windows Server 2025 16-core Datacenter Reseller Option Kit en/ko SW
P77104-B21	Microsoft Windows Server 2025 16-core Standard Additional License WW SW
P77100-AA1	Microsoft Windows Server 2025 16-core Standard Reseller Option Kit Chinese Simplified SW
P77100-AB1	Microsoft Windows Server 2025 16-core Standard Reseller Option Kit Chinese Traditional SW
P77100-291	Microsoft Windows Server 2025 16-core Standard Reseller Option Kit Japanese SW
S6L38A	Microsoft Windows Server 2025 16-core Standard Reseller Option Kit WW ESD LTU
P77100-021	Microsoft Windows Server 2025 16-core Standard Reseller Option Kit en/cs/pl/ru/sv SW
P77100-A21	Microsoft Windows Server 2025 16-core Standard Reseller Option Kit en/fr/de/es/it/pt/nl SW
P77100-DN1	Microsoft Windows Server 2025 16-core Standard Reseller Option Kit en/fr/es/xc SW
P77100-371	Microsoft Windows Server 2025 16-core Standard Reseller Option Kit en/ko SW
P77117-B21	Microsoft Windows Server 2025 50 Devices CAL WW LTU
P77116-B21	Microsoft Windows Server 2025 50 Users CAL WW LTU

P77119-B21	Microsoft Windows Server 2025 Remote Desktop Service 1 Device CAL WW LTU
P77118-B21	Microsoft Windows Server 2025 Remote Desktop Service 1 User CAL WW LTU
P77121-B21	Microsoft Windows Server 2025 Remote Desktop Service 5 Devices CAL WW LTU
P77120-B21	Microsoft Windows Server 2025 Remote Desktop Service 5 Users CAL WW LTU
P77123-B21	Microsoft Windows Server 2025 Remote Desktop Service 50 Devices CAL WW LTU
P77122-B21	Microsoft Windows Server 2025 Remote Desktop Service 50 Users CAL WW LTU
G3J32AAE	RHEL Server 2 Sckt/2 Gst 5yr 24x7 E-LTU
J8J35AAE	Red Hat Enterprise Linux Server 2 Sockets 1 Guest 1 Year Subscription 9x5 Support E-LTU
J8J36AAE	Red Hat Enterprise Linux Server 2 Sockets 1 Guest 1 Year Subscription 24x7 Support E-LTU
S4R44A	Red Hat Enterprise Linux Server 2 Sockets 1 Guest 1-year Subscription 9x5 Support LTU
S4R43A	Red Hat Enterprise Linux Server 2 Sockets 1 Guest 1-year Subscription 24x7 Support LTU
G5J63AAE	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 1 Year Subscription 9x5 Support E-LTU
G5J62AAE	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 1 Year Subscription 24x7 Support E-LTU
S4R46A	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 1-year Subscription 9x5 Support LTU
S4R45A	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 1-year Subscription 24x7 Support LTU
G5J65AAE	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 3 Year Subscription 9x5 Support E-LTU
G5J64AAE	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 3 Year Subscription 24x7 Support E-LTU
S4R48A	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 3-year Subscription 9x5 Support LTU
S4R47A	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 3-year Subscription 24x7 Support LTU
Q0D23AAE	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 5yr Subscription 9x5 Support E-LTU
Q0D23A	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 5yr Subscription 9x5 Support Flexible LTU
Q0D22AAE	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 5yr Subscription 24x7 Support E-LTU
Q0D22A	Red Hat Enterprise Linux Server 2 Sockets 4 Guests 5yr Subscription 24x7 Support Flexible LTU
G3J29AAE	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 1 Year Subscription 9x5 Support E-LTU
G3J28AAE	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 1 Year Subscription 24x7 Support E-LTU
S4R40A	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 1-year Subscription 9x5 Support LTU
S4R37A	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 1-year Subscription 24x7 Support LTU
G3J31AAE	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 3 Year Subscription 9x5 Support E-LTU
G3J30AAE	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 3 Year Subscription 24x7 Support E-LTU
S4R41A	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 3-year Subscription 9x5 Support LTU
S4R38A	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 3-year Subscription 24x7 Support LTU
S4R42A	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 5-year Subscription 9x5 Support LTU
S4R39A	Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 5-year Subscription 24x7 Support LTU
G3J33AAE	Red Hat Enterprise Linux Server 2 Sockets or Guests 5 Year Subscription 9x5 Support E-LTU
S4R34A	Red Hat Enterprise Linux Virtual Datacenter 2 Sockets 1-year Subscription 9x5 Support LTU
S4R31A	Red Hat Enterprise Linux Virtual Datacenter 2 Sockets 1-year Subscription 24x7 Support LTU

S4R35A	Red Hat Enterprise Linux Virtual Datacenter 2 Sockets 3-year Subscription 9x5 Support LTU
S4R32A	Red Hat Enterprise Linux Virtual Datacenter 2 Sockets 3-year Subscription 24x7 Support LTU
S4R36A	Red Hat Enterprise Linux Virtual Datacenter 2 Sockets 5-year Subscription 9x5 Support LTU
S4R33A	Red Hat Enterprise Linux Virtual Datacenter 2 Sockets 5-year Subscription 24x7 Support LTU
R2Z51AAE	Red Hat Enterprise Linux for HPC Compute Node with Smart Management 1yr E-LTU
R2Z52AAE	Red Hat Enterprise Linux for HPC Compute Node with Smart Management 3yr E-LTU
R2Z53AAE	Red Hat Enterprise Linux for HPC Compute Node with Smart Management 5yr E-LTU
R2Z45AAE	Red Hat Enterprise Linux for HPC Head Node with Smart Management 1yr 24x7 E-LTU
R2Z46AAE	Red Hat Enterprise Linux for HPC Head Node with Smart Management 3yr 24x7 E-LTU
R2Z47AAE	Red Hat Enterprise Linux for HPC Head Node with Smart Management 5yr 24x7 E-LTU
Q5W19AAE	Red Hat Enterprise Linux for SAP (Physical/Virtual Nodes) 3yr Subscription 9x5 Support E-LTU
Q5W20AAE	Red Hat Enterprise Linux for SAP (Physical/Virtual Nodes) 3yr Subscription 24x7 Support E-LTU
Q5W21AAE	Red Hat Enterprise Linux for SAP (Physical/Virtual Nodes) 5yr Subscription 9x5 Support E-LTU
Q5W22AAE	Red Hat Enterprise Linux for SAP (Physical/Virtual Nodes) 5yr Subscription 24x7 Support E-LTU
Q5W23AAE	Red Hat Enterprise Linux for SAP for Virtual Datacenters 3yr Subscription 9x5 Support E-LTU
Q5W24AAE	Red Hat Enterprise Linux for SAP for Virtual Datacenters 3yr Subscription 24x7 Support E-LTU
Q5W25AAE	Red Hat Enterprise Linux for SAP for Virtual Datacenters 5yr Subscription 9x5 Support E-LTU
Q5W26AAE	Red Hat Enterprise Linux for SAP for Virtual Datacenters 5yr Subscription 24x7 Support E-LTU
G3J23AAE	Red Hat Enterprise Linux for Virtual Datacenters 2 Sockets 1 Year Subscription 9x5 Support E-LTU
G3J22AAE	Red Hat Enterprise Linux for Virtual Datacenters 2 Sockets 1 Year Subscription 24x7 Support E-LTU
G3J25AAE	Red Hat Enterprise Linux for Virtual Datacenters 2 Sockets 3 Year Subscription 9x5 Support E-LTU
G3J24AAE	Red Hat Enterprise Linux for Virtual Datacenters 2 Sockets 3 Year Subscription 24x7 Support E-LTU
G3J27AAE	Red Hat Enterprise Linux for Virtual Datacenters 2 Sockets 5 Year Subscription 9x5 Support E-LTU
G3J26AAE	Red Hat Enterprise Linux for Virtual Datacenters 2 Sockets 5 Year Subscription 24x7 Support E-LTU
G5J66AAE	Red Hat High Availability 2 Sockets Unlimited Guests 1 Year Subscription E-LTU
S4T26A	Red Hat High Availability 2 Sockets Unlimited Guests 1-year Subscription LTU
G5J67AAE	Red Hat High Availability 2 Sockets Unlimited Guests 3 Year Subscription E-LTU
S4T27A	Red Hat High Availability 2 Sockets Unlimited Guests 3-year Subscription LTU
Q0D26AAE	Red Hat High Availability 2 Sockets Unlimited Guests 5yr Subscription E-LTU
Q0D26A	Red Hat High Availability 2 Sockets Unlimited Guests 5yr Subscription Flexible LTU
G3J34AAE	Red Hat High Availability 2 Sockets or 2 Guests 1 Year Subscription E-LTU
S4T22A	Red Hat High Availability 2 Sockets or 2 Guests 1-year Subscription LTU
G3J35AAE	Red Hat High Availability 2 Sockets or 2 Guests 3 Year Subscription E-LTU
S4T23A	Red Hat High Availability 2 Sockets or 2 Guests 3-year Subscription LTU
Q0D25AAE	Red Hat High Availability 2 Sockets or 2 Guests 5yr Subscription E-LTU
Q0D25A	Red Hat High Availability 2 Sockets or 2 Guests 5yr Subscription Flexible LTU

S3Z86AAE	Red Hat OpenShift Container Platform Bare Metal 1 Physical Node 1yr Subscription 9x5 Support E-LTU
S3Z84AAE	Red Hat OpenShift Container Platform Bare Metal 1 Physical Node 1yr Subscription 24x7 Support E-LTU
S3Z90AAE	Red Hat OpenShift Container Platform Plus Bare Metal 1 Physical Node 1yr Subscription 9x5 Sup E-LTU
S3Z88AAE	Red Hat OpenShift Container Platform Plus Bare Metal 1 Physical Node 1yr Subscription 24x7 Sup E-LTU
G5J68AAE	Red Hat Resilient Storage 2 Sockets Unlimited Guests 1 Year Subscription E-LTU
G5J69AAE	Red Hat Resilient Storage 2 Sockets Unlimited Guests 3 Year Subscription E-LTU
Q0D30AAE	Red Hat Resilient Storage 2 Sockets Unlimited Guests 5yr Subscription E-LTU
Q0D30A	Red Hat Resilient Storage 2 Sockets Unlimited Guests 5yr Subscription Flexible LTU
G3J36AAE	Red Hat Resilient Storage 2 Sockets or 2 Guests 1 Year Subscription E-LTU
S4T24A	Red Hat Resilient Storage 2 Sockets or 2 Guests 1-year Subscription LTU
G3J37AAE	Red Hat Resilient Storage 2 Sockets or 2 Guests 3 Year Subscription E-LTU
S4T25A	Red Hat Resilient Storage 2 Sockets or 2 Guests 3-year Subscription LTU
Q0D29AAE	Red Hat Resilient Storage 2 Sockets or 2 Guests 5yr Subscription E-LTU
Q0D29A	Red Hat Resilient Storage 2 Sockets or 2 Guests 5yr Subscription Flexible LTU
Q5T84A	SUSE Linux Enterprise High Availability Extension 1-2 Sockets 1yr Subscription Flexible LTU
M6K34AAE	SUSE Linux Enterprise High Availability Extension 1-2 Sockets 3 Year Subscription E-LTU
M6K34A	SUSE Linux Enterprise High Availability Extension 1-2 Sockets 3 Year Subscription Flx LTU
Q5T85A	SUSE Linux Enterprise High Availability Extension 1-2 Sockets 5yr Subscription Flexible LTU
S0E93AAE	SUSE Linux Enterprise Micro 1-16 Cores 1-year Subscription 24x7 Support E-LTU
S0E94AAE	SUSE Linux Enterprise Micro 1-16 Cores 3-year Subscription 24x7 Support E-LTU
S0E95AAE	SUSE Linux Enterprise Micro 1-16 Cores 5-year Subscription 24x7 Support E-LTU
S7N98AAE	SUSE Linux Enterprise Server 1 VM 1-year Subscription 24x7 Support E-LTU
S7N99AAE	SUSE Linux Enterprise Server 1 VM 3-year Subscription 24x7 Support E-LTU
S7P00AAE	SUSE Linux Enterprise Server 1 VM 5-year Subscription 24x7 Support E-LTU
S7N95AAE	SUSE Linux Enterprise Server 1-2 Sockets 1-year Subscription 24x7 Support E-LTU
S7N96AAE	SUSE Linux Enterprise Server 1-2 Sockets 3-year Subscription 24x7 Support E-LTU
S7N97AAE	SUSE Linux Enterprise Server 1-2 Sockets 5-year Subscription 24x7 Support E-LTU
R8V74AAE	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 1-year 9x5 E-LTU
R8V74A	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 1-year 9x5 Flexible LTU
R8V76AAE	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 1-year 24x7 E-LTU
R8V76A	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 1-year 24x7 Flexible LTU
R8V75AAE	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 3-year 9x5 E-LTU
R8V75A	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 3-year 9x5 Flexible LTU
R8V77AAE	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 3-year 24x7 E-LTU
R8V77A	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 3-year 24x7 Flexible LTU

S0F24AAE	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 5-year 9x5 E-LTU
R8V79A	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 5-year 9x5 Flexible LTU
R8V78AAE	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 5-year 24x7 E-LTU
R8V78A	SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 5-year 24x7 Flexible LTU
S7N77AAE	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets Unlimited VM 3yr Sub 24x7 Sup E-LTU
S7N87A	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets Unlimited VM 3yr Sub 24x7 Sup Flex LTU
S7P10A	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets Unlimited VM 3yr Sub 24x7 Sup Flex LTU
S7N78AAE	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets Unlimited VM 5yr Sub 24x7 Sup E-LTU
S7N88A	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets Unlimited VM 5yr Sub 24x7 Sup Flex LTU
S7P11A	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets Unlimited VM 5yr Sub 24x7 Sup Flex LTU
S7N75AAE	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets or 1-2 VM 3-year Sub 24x7 Sup E-LTU
S7P12A	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets or 1-2 VM 3-year Sub 24x7 Sup Flex LTU
S7N85A	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets or 1-2 VM 3-year Sub 24x7 Support LTU
S7N76AAE	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets or 1-2 VM 5-year Sub 24x7 Sup E-LTU
S7P13A	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets or 1-2 VM 5-year Sub 24x7 Sup Flex LTU
S7N86A	SUSE Linux Enterprise Server for SAP Applications 1-2 Sockets or 1-2 VM 5-year Sub 24x7 Support LTU
S7N80AAE	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 1yr 9x5 E-LTU
S7N90A	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 1yr 9x5 LTU
S7N79AAE	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 1yr 24x7 E-LTU
S7N89A	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 1yr 24x7 LTU
S7N82AAE	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 3yr 9x5 E-LTU
S7N92A	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 3yr 9x5 LTU
S7N81AAE	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 3yr 24x7 E-LTU
S7N91A	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 3yr 24x7 LTU
S7N84AAE	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 5yr 9x5 E-LTU
S7N94A	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 5yr 9x5 LTU
S7N83AAE	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 5yr 24x7 E-LTU
S7N93A	SUSE Linux Enterprise Server w/SUSE Multi-Linux Mgr Lifecycle Mgmt+ 1-2 Skts/1-2 VM 5yr 24x7 LTU
R8V87AAE	SUSE Manager Lifecycle Management 1-2 Sockets Unlimited VM 1-year 24x7 E-LTU
S0F26AAE	SUSE Manager Lifecycle Management 1-2 Sockets Unlimited VM 1-year 24x7 E-LTU
R8V89AAE	SUSE Manager Lifecycle Management 1-2 Sockets Unlimited VM 3-year 24x7 E-LTU
S0F28AAE	SUSE Manager Lifecycle Management 1-2 Sockets Unlimited VM 3-year 24x7 E-LTU
S0F22AAE	SUSE Manager Lifecycle Management 1-2 Sockets Unlimited VM 5-year 24x7 E-LTU
S0F30AAE	SUSE Manager Lifecycle Management 1-2 Sockets Unlimited VM 5-year 24x7 E-LTU

S0F25AAE	SUSE Manager Lifecycle Management 1-2 Sockets or 1-2 VM 1-year 24x7 E-LTU
R8V86AAE	SUSE Manager Lifecycle Management 1-2 Sockets or 1-2 VM 1-year 24x7 E-LTU
S0F27AAE	SUSE Manager Lifecycle Management 1-2 Sockets or 1-2 VM 3-year 24x7 E-LTU
R8V88AAE	SUSE Manager Lifecycle Management 1-2 Sockets or 1-2 VM 3-year 24x7 E-LTU
S0F21AAE	SUSE Manager Lifecycle Management 1-2 Sockets or 1-2 VM 5-year 24x7 E-LTU
S0F29AAE	SUSE Manager Lifecycle Management 1-2 Sockets or 1-2 VM 5-year 24x7 E-LTU

Power Management Options

AF569A	HPE C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord
AF570A	HPE C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord
AF568A	HPE C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord
AF566A	HPE C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord
AF557A	HPE C13 - GB-1002 CN 250V 10Amp 1.83m Power Cord
AF559A	HPE C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord
AF556A	HPE C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord
AF567A	HPE C13 - SABS-164 ZA 250V 10Amp 2.5m Power Cord
AF565A	HPE C13 - SEV 1011 CH 250V 10Amp 1.83m Power Cord
AF564A	HPE C13 - SI-32 IL 250V 10Amp 1.83m Power Cord

Power Supplies

865408-B21	HPE 500W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
P38995-B21	HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
865438-B21	HPE 800W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit
P03178-B21	HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit
P38997-B21	HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
P44712-B21	HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply Kit

Private and Hybrid Cloud

S7P79AAE	HPE Compute Ops Management Advanced 3-year SaaS for Smart Choice
S7P80AAE	HPE Compute Ops Management Advanced 5-year SaaS for Smart Choice
S7P81AAE	HPE Compute Ops Management Advanced 7-year SaaS for Smart Choice
R6Z73AAE	HPE Compute Ops Management Base SaaS
R7A10AAE	HPE Compute Ops Management Standard 1-year Upfront ProLiant SaaS
S7P76AAE	HPE Compute Ops Management Standard 3-year SaaS for Smart Choice
R7A11AAE	HPE Compute Ops Management Standard 3-year Upfront ProLiant SaaS
S7P77AAE	HPE Compute Ops Management Standard 5-year SaaS for Smart Choice
R7A12AAE	HPE Compute Ops Management Standard 5-year Upfront ProLiant SaaS
S7P78AAE	HPE Compute Ops Management Standard 7-year SaaS for Smart Choice

Processors

P67100-B21	Intel Xeon-Bronze 3508U 2.1GHz 8-core 125W Processor for HPE
P49639-B21	Intel Xeon-Gold 5411N 1.9GHz 24-core 165W Processor for HPE
P49597-B21	Intel Xeon-Gold 5415+ 2.9GHz 8-core 150W Processor for HPE
P49653-B21	Intel Xeon-Gold 5416S 2.0GHz 16-core 150W Processor for HPE
P49640-B21	Intel Xeon-Gold 5418N 1.8GHz 24-core 165W Processor for HPE
P49612-B21	Intel Xeon-Gold 5418Y 2.0GHz 24-core 185W Processor for HPE
P67101-B21	Intel Xeon-Gold 5512U 2.1GHz 28-core 185W Processor for HPE
P67079-B21	Intel Xeon-Gold 5515+ 3.2GHz 8-core 165W Processor for HPE
P49641-B21	Intel Xeon-Gold 6421N 1.8GHz 32-core 185W Processor for HPE
P49598-B21	Intel Xeon-Gold 6426Y 2.5GHz 16-core 185W Processor for HPE
P49610-B21	Intel Xeon-Silver 4410Y 2.0GHz 12-core 150W Processor for HPE
P49611-B21	Intel Xeon-Silver 4416+ 2.0GHz 20-core 165W Processor for HPE
P67090-B21	Intel Xeon-Silver 4509Y 2.6GHz 8-core 125W Processor for HPE
P67091-B21	Intel Xeon-Silver 4510 2.4GHz 12-core 150W Processor for HPE
P67092-B21	Intel Xeon-Silver 4514Y 2.0GHz 16-core 150W Processor for HPE
P67093-B21	Intel Xeon-Silver 4516Y+ 2.2GHz 24-core 185W Processor for HPE

Server accelerators

S0K89C	NVIDIA L4 24GB PCIe Accelerator for HPE
S5T74C	NVIDIA RTX A1000 8GB PCIe Accelerator for HPE

server management software

512485-B21	HPE iLO Advanced 1-server License with 1yr Support on iLO Licensed Features
BD505A	HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features
E6U59ABE	HPE iLO Advanced Electronic License with 1yr Support on iLO Licensed Features
E6U64ABE	HPE iLO Advanced Electronic License with 3yr Support on iLO Licensed Features
S3Q39AAE	Intel Virtual RAID on CPU RAID 1 E-RTU for HPE

Server Riser Cards/Extenders

P53487-B21	HPE ProLiant ML110 Gen11 GPU Riser Kit
P53488-B21	HPE ProLiant ML110 Gen11 Second GPU Riser Kit

Storage Media

C7976A	HPE LTO-6 Ultrium 6.25TB RW Data Cartridge
C7977A	HPE LTO-7 Ultrium 15TB RW Data Cartridge
Q2078A	HPE LTO-8 Ultrium 30TB RW Data Cartridge
Q2079A	HPE LTO-9 Ultrium 45TB RW Data Cartridge

Switches

R9W89A	HPE Aruba Networking CX 8100 24x10G Base-T 4x10G SFP+ 4x40/100G QSFP28 BF 3Fan 2AC PSU Sw Bdl
R9W88A	HPE Aruba Networking CX 8100 24x10G Base-T 4x10G SFP+ 4x40/100G QSFP28 FB 3Fan 2AC PSU Sw Bdl
R9W93A	HPE Aruba Networking CX 8100 40x10G Base-T 8x10G SFP+ 4x40/100G QSFP28 BF 3F 2AC PSU Switch Bdl
R9W92A	HPE Aruba Networking CX 8100 40x10G Base-T 8x10G SFP+ 4x40/100G QSFP28 FB 3F 2AC PSU Sw Bdl
JL625A	HPE Aruba Networking CX 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 BF 6 Fans 2 PSU Bundle
JL624A	HPE Aruba Networking CX 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 FB 6 Fans 2 PSU Bundle
S4B21A	HPE Aruba Networking CX 8325H 18p SFP28 25G 4p QSFP28 100G Back-to-Front 4xFan 2xPSU Switch
S4B20A	HPE Aruba Networking CX 8325H 18p SFP28 25G 4p QSFP28 100G Front-to-Back 4xFan 2xPSU Switch

Tape Storage

BC023A	HPE StoreEver LTO-8 Ultrium 30750 External Tape Drive
BC022A	HPE StoreEver LTO-8 Ultrium 30750 Internal Tape Drive
BC042A	HPE StoreEver LTO-9 Ultrium 45000 External Tape Drive
BC040A	HPE StoreEver LTO-9 Ultrium 45000 Internal Tape Drive

Transceiver Options

845398-B21	HPE 25Gb SFP28 SR 100m Transceiver
845966-B21	HPE 100Gb QSFP28 MPO SR4 100m Transceiver
453154-B21	HPE BladeSystem CClass Virtual Connect 1G SFP RJ45 Transceiver
455886-B21	HPE BladeSystem c-Class 10Gb SFP+ LR Transceiver
455883-B21	HPE BladeSystem c-Class 10Gb SFP+ SR Transceiver
453151-B21	HPE BladeSystem c-Class Virtual Connect 1G SFP SX Transceiver

Related Services

The following services are available for these series:

SKU	Description
Technology Services	
H40HBPE	HPE 1 Year Post Warranty Tech Care Basic for ML110 Gen 11 HW Service
H40HDPE	HPE 1 Year Post Warranty Tech Care Basic wCDMRange for ML110 Gen 11 HW Service
H40HCPE	HPE 1 Year Post Warranty Tech Care Basic wDMRange for ML110 Gen 11 HW Service
H40HMPE	HPE 1 Year Post Warranty Tech Care Critical for ML110 Gen 11 HW Service

H4OHQPE	HPE 1 Year Post Warranty Tech Care Critical wCDMR for ML110 Gen 11 HW Service
H4OHNPE	HPE 1 Year Post Warranty Tech Care Critical wDMR for ML110 Gen 11 HW Service
H4OHJPE	HPE 1 Year Post Warranty Tech Care Essential for ML110 Gen 11 HW Service
H4OHLPE	HPE 1 Year Post Warranty Tech Care Essential wCDMR for ML110 Gen 11 HW Service
H4OHKPE	HPE 1 Year Post Warranty Tech Care Essential wDMR for ML110 Gen 11 HW Service
H4OHRPE	HPE 2 Year Post Warranty Tech Care Basic for ML110 Gen 11 HW Service
H4OHSPE	HPE 2 Year Post Warranty Tech Care Basic wDMRange for ML110 Gen 11 HW Service
H4OHWPE	HPE 2 Year Post Warranty Tech Care Essential for ML110 Gen 11 HW Service
H4OHXPE	HPE 2 Year Post Warranty Tech Care Essential wDMR for ML110 Gen 11 HW Service
H4ODRE	HPE 3 Year Tech Care Basic ML110 Gen 11 HW Service
H44ZZE	HPE 3 Year Tech Care Basic ML110 Server Smart Choice Service
H4ODTE	HPE 3 Year Tech Care Basic wCDMR ML110 Gen 11 HW Service
H4ODSE	HPE 3 Year Tech Care Basic wDMR ML110 Gen 11 HW Service
H57ZZE	HPE 3 Year Tech Care Basic wGDMR ProLiant ML110 Gen11 Service
H4OFCE	HPE 3 Year Tech Care Critical for ML110 Gen 11 HW Service
H4OFFE	HPE 3 Year Tech Care Critical wCDMR ML110 Gen 11 HW Service
H4OFDE	HPE 3 Year Tech Care Critical wDMR ML110 Gen 11 HW Service
H58BCE	HPE 3 Year Tech Care Critical wGDMR ProLiant ML110 Gen11 Service
H4ODYE	HPE 3 Year Tech Care Essential ML110 Gen 11 HW Service
H79Y6E	HPE 3 Year Tech Care Essential ML110 Svrs Smart Choice Service
H4OFBE	HPE 3 Year Tech Care Essential wCDMR ML110 Gen 11 HW Service
H4ODZE	HPE 3 Year Tech Care Essential wDMR ML110 Gen 11 HW Service
H58BBE	HPE 3 Year Tech Care Essential wGDMR ProLiant ML110 Gen11 Service
H4OFGE	HPE 4 Year Tech Care Basic ML110 Gen 11 HW Service
H4OFJE	HPE 4 Year Tech Care Basic wCDMR ML110 Gen 11 HW Service
H4OFHE	HPE 4 Year Tech Care Basic wDMR ML110 Gen 11 HW Service
H58BDE	HPE 4 Year Tech Care Basic wGDMR ProLiant ML110 Gen11 Service
H4OFSE	HPE 4 Year Tech Care Critical for ML110 Gen 11 HW Service
H4OFVE	HPE 4 Year Tech Care Critical wCDMR ML110 Gen 11 HW Service
H4OFTE	HPE 4 Year Tech Care Critical wDMR ML110 Gen 11 HW Service
H58BGE	HPE 4 Year Tech Care Critical wGDMR ProLiant ML110 Gen11 Service
H4OFNE	HPE 4 Year Tech Care Essential ML110 Gen 11 HW Service
H4OFRE	HPE 4 Year Tech Care Essential wCDMR ML110 Gen 11 HW Service
H4OFQE	HPE 4 Year Tech Care Essential wDMR ML110 Gen 11 HW Service
H58BFE	HPE 4 Year Tech Care Essential wGDMR ProLiant ML110 Gen11 Service
H4OFWE	HPE 5 Year Tech Care Basic ML110 Gen 11 HW Service

H45BBE	HPE 5 Year Tech Care Basic ML110 Server Smart Choice Service
H40FYE	HPE 5 Year Tech Care Basic wCDMR ML110 Gen 11 HW Service
H40FXE	HPE 5 Year Tech Care Basic wDMR ML110 Gen 11 HW Service
H58BHE	HPE 5 Year Tech Care Basic wGDMR ProLiant ML110 Gen11 Service
H40GHE	HPE 5 Year Tech Care Critical for ML110 Gen 11 HW Service
H40GKE	HPE 5 Year Tech Care Critical wCDMR ML110 Gen 11 HW Service
H40GJE	HPE 5 Year Tech Care Critical wDMR ML110 Gen 11 HW Service
H58BKE	HPE 5 Year Tech Care Critical wGDMR ProLiant ML110 Gen11 Service
H40GDE	HPE 5 Year Tech Care Essential ML110 Gen 11 HW Service
H79Y7E	HPE 5 Year Tech Care Essential ML110 Svrs Smart Choice Service
H40GGE	HPE 5 Year Tech Care Essential wCDMR ML110 Gen 11 HW Service
H40GFE	HPE 5 Year Tech Care Essential wDMR ML110 Gen 11 HW Service
H58BJE	HPE 5 Year Tech Care Essential wGDMR ProLiant ML110 Gen11 Service
H40GLE	HPE 6 Year Tech Care Basic ML110 Gen 11 Service
H40GME	HPE 6 Year Tech Care Basic wDMR ML110 Gen 11 Service
H40GRE	HPE 6 Year Tech Care Essential ML110 Gen 11 Service
H40GSE	HPE 6 Year Tech Care Essential wDMR ML110 Gen 11 Service
H40GTE	HPE 7 Year Tech Care Basic ML110 Gen 11 Service
H40GVE	HPE 7 Year Tech Care Basic wDMR ML110 Gen 11 Service
H40GYE	HPE 7 Year Tech Care Essential ML110 Gen 11 Service
H40GZE	HPE 7 Year Tech Care Essential wDMR ML110 Gen 11 Service
H33XSE	HPE Education - Learning Credits 1 Year Service
U4554E	HPE ProLiant DL/ML Install Service
UF070E	HPE Proliant DL/ML Non Standard Hours Install Service
U4555E	HPE Proliant DL/ML Ons Startup Service
H30JHE	HPE Proliant DL/ML Rmt NSH Startup Service
H30JGE	HPE Proliant DL/ML Rmt Startup Service

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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.

For additional technical information, available models and options, please reference the QuickSpecs

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