# HPE ProLiant ML30 Gen11



### What's new

- Supports Intel® Xeon® E Processors up to 8 cores 95W.
- 4800 MT/s HPE DDR5 Standard Memory UDIMM offering: 16 GB and 32 GB, maximum 128 GB memory capacity.
- Four expansion slots for more flexible usage, including one PCIe Gen5 x16.
- Onboard M.2 NVMe SSD support.
- Dedicated HPE iLO port and serial port kit option.

## Overview

Do you need a reliable enterprise-class tower server that can easily meet your budget?

The HPE ProLiant ML30 Gen11 Plus server is a powerful yet affordable tower server designed for small offices, remote and branch offices to run on-premises and hybrid cloud solutions, delivering enterprise-class performance, security, reliability, and expandability at a low cost. Hewlett Packard Enterprise builds security right into the server with HPE iLO silicon root of trust. A redundant power supply option and up to four LFF or eight SFF hot-plug HDDs provide availability and flexibility. The enhanced expansion capability, now including PCIe Gen5, allows you to upgrade with serial attached SCSI (SAS) controllers or networking cards as your business grows, which can give you an extra edge. Power your business now with an HPE ProLiant ML30 Gen11 server.

# Features

### Powerful Yet Affordable Server for Your Daily Office Workloads

The HPE ProLiant ML30 Gen11 server is powered by up to 8 cores Intel® Xeon® E Processors and up to 128 GB 4400 MT/s DDR5 ECC UDIMM, delivering abundant performance for small- to mid-sized business applications.

With up to 80 TB storage capacity, the HPE ProLiant ML30 Gen11 is an ideal data storage platform allowing your business to accommodate an increasing amount of data as you grow. An onboard M.2 slot with NVMe SSD support delivers outstanding speed for a boot drive. [1]

An optional dedicated HPE iLO port allows you to dedicate more bandwidth to network functions and achieve higher network speeds.

The embedded Intel® VROC SATA Hybrid RAID ships standard, and the HPE Smart Array essentials and performance controllers allow you the flexibility to choose the 12 Gbps controller best suited to your environment.

Four expansion slots for more flexible usage, including one PCIe Gen5 x16 for increased bandwidth. [2]

### A Variety of Enterprise-Class Features to Achieve Business Growth with Low TCO

The HPE ProLiant ML30 Gen11 server offers flexibility in different storage needs. With a choice of 4 Large Form Factor (LFF) non-hot-plug, hot-plug, or 8 Small Form Factor (SFF) hot-plug drive options, you can find a right fit for your growing business.

The selective HPE 500W, 800W and 1000W Flex Slot redundant power supplies enhance the reliability, and lets you share spares across multiple server platforms.

The HPE ProLiant ML30 Gen11 server offers a complete set of embedded HPE Integrated Lights Out (iLO 6) management features.

### Security Innovations

The HPE ProLiant ML30 Gen11 protects your business with innovations in firmware protection, malware detection, and firmware recovery — right down to the silicon.

Millions of lines of firmware code run before the server operating system boots. Runtime firmware validation, enabled by HPE iLO Advanced Premium Security Edition, checks the server firmware every 24 hours verifying the validity and credibility of essential system firmware.

Secure recovery allows server firmware to roll back to the last known-good state or to factory settings after the detection of compromised code.

The HPE Trusted Platform Module (TPM) works to increase data security by storing the encryption startup key in hardware on the server, providing a more secure environment

### Intelligent Management Automation

The HPE ProLiant ML30 Gen11 server simplifies and automates management tasks, establishing a solid foundation for a hybrid cloud platform enabled by automation.

Embedded in Hewlett Packard Enterprise servers, HPE Integrated Lights-Out (iLO) is an exclusive core intelligence that monitors server status, providing the means for reporting, ongoing management, service alerting, and local or remote management to quickly identify and resolve issues.

Automation and software-defined control reduce time spent on provisioning and maintenance, as well as reduce deployment times.

| Technical specifications | HPE ProLiant ML30 Gen11 |
|---|---|
| **Processor type** | Intel |
| **Processor family** | Intel® Xeon® E-2400 Series |
| **Processor number** | 1 |
| **Processor core available** | 4 to 8 core, depending on processor. |
| **Processor speed** | 3.6 GHz, maximum depending on processor |
| **Processor cache** | Up to 16 MB Intel® Smart Cache, depending on processor |
| **Memory type** | HPE DDR5 Standard Memory |
| **Maximum memory** | 128 GB with 32 GB DDR5 |
| **Memory slots** | 4 DIMM slots, maximum |
| **Memory protection features** | Unbufferred ECC |
| **Expansion slots** | 4, for detailed descriptions refer to the QuickSpecs |
| **Form factor** | 4U Tower |
| **Network controller** | HPE embedded 1Gb 4-port BCM5719 network adapter and optional HPE network controllers |
| **Storage controller** | Intel® VROC SATA (formerly known as Intel® RSTe) |
| **Drive supported** | 4 NHP LFF SATA HDD 4 LFF SAS/SATA HDD/SSD or 8 SFF SAS/SATA HDD/SSD |
| **Optical drive type** | None ship standard.<br>Optional: SATA 9.5 mm DVD-RW/DVD-ROM Optical Drive |
| **Infrastructure management** | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management.<br>Refer to the iLO 6 User Guide |
| **Security** | Embedded Trusted Platform Module (TPM) 2.0 enabled by default. For servers shipping to China, the TPM is disabled.<br>For full security features refer to the QuickSpecs. |
| **Warranty** | Server warranty includes 3-year parts, 1-year labor, and 1-year on-site support with next business day response. 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, visit www.hpe.com/services/support |

[1] HPE ProLiant ML30 Gen11 server supports one onboard M.2 SSD with PCIe 5.0 x2 bandwidth or SATA.

[2] Compared with PCIe Gen4 x16.

## SKU comparison

| | HPE ProLiant ML30 Gen11 6315P 2.8GHz 4c 1P 1x16GB-U 4LFF-NHP 1x350W PS EU Server (P98182-425) | HPE ProLiant ML30 Gen11 6315P 2.8GHz 4c 1P 1x32GB-U 4LFF-NHP 2x1TB HDD 1x350W PS EU Server (P87461-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 4LFF 2x960GB SSD 1x1000W PS EU Server (P87463-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 8SFF 2x480GB SSD 1x1000W PS EU Server (P87464-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 8SFF NS204i-u MR408i-p 1x800W PS EU Server (P85579-425) |
|---|---|---|---|---|---|
| **Detailed product description** | Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now!<br><br>HPE ProLiant ML30 Gen11 server with one Intel® Xeon® 6315P Processor, 16 GB (1x 16 GB UDIMM) Single Rank Memory, Embedded Intel® VROC SATA (formerly known as Intel® RSTe), support for four LFF-NHP drives, one standard fan, one HPE ProLiant ML30 Gen10 Plus 350W Platinum ATX FIO Power Supply, one TPM (Trusted Platform Module), and a 3/1/1 warranty | Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now!<br><br>HPE ProLiant ML30 Gen11 server with one Intel® Xeon® 6315P Processor, 32 GB (1x32 GB UDIMM) Dual Rank Memory, Embedded Intel® VROC SATA (formerly known as Intel® RSTe), support for four LFF-NHP drives, one standard fan, two HPE 1TB SATA 6G Business Critical 7.2K LFF RW 1-year Warranty Multi Vendor HDDs, one HPE ProLiant ML30 Gen10 Plus 350W Platinum ATX FIO Power Supply, and a 3/1/1 warranty | Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now!<br><br>HPE ProLiant ML30 Gen11 server with one Intel® Xeon® 6325P Processor, 32 GB (1x32 GB UDIMM) Dual Rank Memory, Embedded Intel® VROC SATA (formerly known as Intel® RSTe), support for four LFF drives, one standard fan, two HPE 960GB SATA 6G Read Intensive LFF LPC Multi Vendor SSDs, one HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit, and a 3/1/1 warranty | Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now!<br><br>HPE ProLiant ML30 Gen11 server with one Intel® Xeon® 6325P Processor, 32 GB (1x32 GB UDIMM) Dual Rank Memory, Embedded Intel® VROC SATA (formerly known as Intel® RSTe), support for eight SFF drives, one standard fan, two HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSDs, one HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit, and a 3/1/1 warranty | Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now!<br><br>HPE ProLiant ML30 Gen11 server with one Intel® Xeon® 6325P Processor, 32 GB (1x32 GB UDIMM) Dual Rank Memory, one HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device, one HPE MR408i-p Gen11 x8 Lanes 4GB Cache PCI SPDM Plug-in Storage Controller, support for eight SFF drives, one HPE ProLiant ML30 Gen11 Front PCI Fan and Baffle Kit, one HPE 800W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit, and a 3/1/1 warranty |
| **Processor name** | Intel® Xeon® 6315P (4 core, 2.80 GHz, 12 MB L3, 55W) | Intel® Xeon® 6315P (4 core, 2.80 GHz, 12 MB L3, 55W) | Intel® Xeon® 6325P (4 core, 3.50 GHz, 12 MB L3, 55W) | Intel® Xeon® 6325P (4 core, 3.50 GHz, 12 MB L3, 55W) | Intel® Xeon® 6325P (4 core, 3.50 GHz, 12 MB L3, 55W) |
| **Processor number** | 1 processor included | | | | |
| **Processor core available** | 4 core | 4 core | 4 core | 4 core | 4 core |
| **Processor speed** | 2.80 GHz | 2.80 GHz | 3.50 GHz | 3.50 GHz | 3.50 GHz |
| **Processor cache** | 12 MB L3 | 12 MB L3 | 12 MB L3 | 12 MB L3 | 12 MB L3 |

| | HPE ProLiant ML30 Gen11 6315P 2.8GHz 4c 1P 1x16GB-U 4LFF-NHP 1x350W PS EU Server (P98182-425) | HPE ProLiant ML30 Gen11 6315P 2.8GHz 4c 1P 1x32GB-U 4LFF-NHP 2x1TB HDD 1x350W PS EU Server (P87461-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 4LFF 2x960GB SSD 1x1000W PS EU Server (P87463-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 8SFF 2x480GB SSD 1x1000W PS EU Server (P87464-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 8SFF NS204i-u MR408i-p 1x800W PS EU Server (P85579-425) |
|---|---|---|---|---|---|
| **Memory type** | HPE DDR5 Standard Memory | | | | |
| **Included memory** | 16 GB (1x 16 GB UDIMM, 4800 MT/s) | 32 GB (1x32 GB UDIMM, 4800 MT/s) | 32 GB (1x32 GB UDIMM, 4800 MT/s) | 32 GB (1x32 GB UDIMM, 4800 MT/s) | 32 GB (1x32 GB UDIMM, 4800 MT/s) |
| **System fan features** | 1x Standard Fan | 1x Standard Fan | 1x Standard Fan | 1x Standard Fan | 1x Non-hot plug non-redundant system fan |
| **Expansion slots** | 4, for detailed descriptions refer to the QuickSpecs | | | | |
| **Form factor** | 4U Tower | | | | |
| **Network controller** | Embedded 1 Gb 4-Port Ethernet Adapter | Embedded 1Gb 4-Port Ethernet Adapter | Embedded 1Gb 4-Port Ethernet Adapter | Embedded 1Gb 4-Port Ethernet Adapter | Embedded 1Gb 4-Port Ethernet Adapter |
| **Storage controller** | Embedded Intel® VROC SATA (formerly known as Intel® RSTe) | Embedded Intel® VROC SATA (formerly known as Intel® RSTe) | Embedded Intel® VROC SATA (formerly known as Intel® RSTe) | Embedded Intel® VROC SATA (formerly known as Intel® RSTe) | HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device<br>HPE MR408i-p Gen11 x8 Lanes 4GB Cache PCI SPDM Plug-in Storage Controller |
| **Included drives** | None ship standard, 4 LFF-NHP supported | 2x HPE 1TB SATA 6G Business Critical 7.2K LFF RW 1-year Warranty Multi Vendor HDD | 2x HPE 960GB SATA 6G Read Intensive LFF LPC Multi Vendor SSD | 2x HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD | None ship standard, 8 SFF supported |
| **Optical drive type** | None ship standard.<br>Optional: SATA 9.5 mm DVD-RW/DVD-ROM Optical Drive | | | | |
| **Power supply type** | 1x HPE ProLiant ML30 Gen10 Plus 350W Platinum ATX FIO Power Supply | 1x HPE ProLiant ML30 Gen10 Plus 350W Platinum ATX FIO Power Supply | 1x HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit | 1x HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit | 1x HPE 800W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit |

| | HPE ProLiant ML30 Gen11 6315P 2.8GHz 4c 1P 1x16GB-U 4LFF-NHP 1x350W PS EU Server (P98182-425) | HPE ProLiant ML30 Gen11 6315P 2.8GHz 4c 1P 1x32GB-U 4LFF-NHP 2x1TB HDD 1x350W PS EU Server (P87461-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 4LFF 2x960GB SSD 1x1000W PS EU Server (P87463-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 8SFF 2x480GB SSD 1x1000W PS EU Server (P87464-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 1x32GB-U 8SFF NS204i-u MR408i-p 1x800W PS EU Server (P85579-425) |
|---|---|---|---|---|---|
| **Infrastructure management** | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management (optional subscription available).<br><br>Refer to the iLO 6 User Guide | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management (optional subscription available). | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management (optional subscription available). | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management (optional subscription available). | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management (optional subscription available). |
| **Security** | Embedded Trusted Platform Module (TPM) 2.0 enabled by default. For servers shipping to China, the TPM is disabled.<br>For full security features refer to the QuickSpecs. | | | | |
| **Warranty** | Server warranty includes 3-year parts, 1-year labor, and 1-year on-site support with next business day response. 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, visit www.hpe.com/services/support. | | | | |

| | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 2x16GB-U 4LFF 2x4TB HDD 1x1000W PS EU Server (P99458-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 2x16GB-U 8SFF 1x1000W PS EU Server (P98189-425) | HPE ProLiant ML30 Gen11 6333P 3.1GHz 6c 1P 1x32GB-U 8SFF MR216i-p 2x480GB SSD 2x1000W PS EU Server (P87458-425) | HPE ProLiant ML30 Gen11 E-2414 2.6GHz 4-core 1P 16GB-U 4LFF-NHP 350W PS Server (P65093-421) |
|---|---|---|---|---|
| **Detailed product description** | Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now!<br><br>HPE ProLiant ML30 Gen11 server with one Intel® Xeon® 6325P Processor, 32 GB (2x 16 GB UDIMM) Single Rank Memory, Embedded Intel® VROC SATA (formerly known as Intel® RSTe), support for four LFF drives, one standard fan, two HPE 4TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDDs, one HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit, one TPM (Trusted Platform Module), and a 3/1/1 warranty | Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now!<br><br>HPE ProLiant ML30 Gen11 server with one Intel® Xeon® 6325P Processor, 32 GB (2x 16 GB UDIMM) Single Rank Memory, Embedded Intel® VROC SATA (formerly known as Intel® RSTe), support for eight SFF drives, one standard fan, one HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit, one TPM (Trusted Platform Module), and a 3/1/1 warranty | Shop the HPE Smart Choice purchase program: Our most popular servers, fully configured and ready to ship - now!<br><br>HPE ProLiant ML30 Gen11 server with one Intel® Xeon® 6333P Processor, 32 GB (1x32 GB UDIMM) Dual Rank Memory, one HPE MR216i-p Gen11 x16 Lanes without Cache PCI SPDM Plug-in Storage Controller, support for eight SFF drives, one HPE ProLiant ML30 Gen11 Front PCI Fan and Baffle Kit, two HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSDs, two HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kits, and a 3/1/1 warranty | HPE ProLiant ML30 Gen11 server with one Intel® Xeon® E-2414 Processor, 16 GB (1x16 GB UDIMM) Single Rank Memory, Embedded Intel® VROC SATA (formerly known as Intel® RSTe), support for four LFF drives, one standard fan, one HPE ProLiant ML30 Gen10 Plus 350W Platinum ATX FIO Power Supply, and a 3/1/1 warranty |
| **Processor name** | Intel® Xeon® 6325P (4 core, 3.50 GHz, 12 MB L3, 55W) | Intel® Xeon® 6325P (4 core, 3.50 GHz, 12 MB L3, 55W) | Intel® Xeon® 6333P (6 core, 3.10 GHz, 18 MB L3, 65W) | Intel® Xeon® E-2414 (4 core, 2.60 GHz, 12 MB Intel® Smart Cache, 55W) |
| **Processor number** | 1 processor included | | | |
| **Processor core available** | 4 core | 4 core | 6 core | 4 core |
| **Processor speed** | 3.50 GHz | 3.50 GHz | 3.10 GHz | 2.60 GHz |
| **Processor cache** | 12 MB L3 | 12 MB L3 | 18 MB L3 | 12 MB Intel® Smart Cache |
| **Memory type** | HPE DDR5 Standard Memory | | | |
| **Included memory** | 32 GB (2x 16 GB UDIMM, 4800 MT/s) | 32 GB (2x 16 GB UDIMM, 4800 MT/s) | 32 GB (1x32 GB UDIMM, 4800 MT/s) | 16 GB (1x16 GB UDIMM, 4800 MT/s) |

| | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 2x16GB-U 4LFF 2x4TB HDD 1x1000W PS EU Server (P99458-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 2x16GB-U 8SFF 1x1000W PS EU Server (P98189-425) | HPE ProLiant ML30 Gen11 6333P 3.1GHz 6c 1P 1x32GB-U 8SFF MR216i-p 2x480GB SSD 2x1000W PS EU Server (P87458-425) | HPE ProLiant ML30 Gen11 E-2414 2.6GHz 4-core 1P 16GB-U 4LFF-NHP 350W PS Server (P65093-421) |
|---|---|---|---|---|
| **System fan features** | 1x Standard Fan | 1x Standard Fan | 1x Non-hot plug non-redundant system fan | 1x Standard Fan |
| **Expansion slots** | 4, for detailed descriptions refer to the QuickSpecs | | | |
| **Form factor** | 4U Tower | | | |
| **Network controller** | Embedded 1 Gb 4-Port Ethernet Adapter | Embedded 1 Gb 4-Port Ethernet Adapter | Embedded 1Gb 4-Port Ethernet Adapter | Embedded 1Gb 4-Port Ethernet Adapter |
| **Storage controller** | Embedded Intel® VROC SATA (formerly known as Intel® RSTe) | Embedded Intel® VROC SATA (formerly known as Intel® RSTe) | HPE MR216i-p Gen11 x16 Lanes without Cache PCI SPDM Plug-in Storage Controller | Embedded Intel® VROC SATA (formerly known as Intel® RSTe) |
| **Included drives** | 2x HPE 4TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD | None ship standard, 8 SFF supported | 2x HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD | None ship standard, 4 LFF supported |
| **Optical drive type** | None ship standard.<br>Optional: SATA 9.5 mm DVD-RW/DVD-ROM Optical Drive | None ship standard.<br>Optional: SATA 9.5 mm DVD-RW/DVD-ROM Optical Drive | None ship standard.<br>Optional: SATA 9.5 mm DVD-RW/DVD-ROM Optical Drive | None ship standard; ODD Optional |
| **Power supply type** | 1x HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit | 1x HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit | 2x HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit | 1x HPE ProLiant ML30 Gen10 Plus 350W Platinum ATX FIO Power Supply |
| **Infrastructure management** | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management.<br><br>Refer to the iLO 6 User Guide | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management (optional subscription available).<br><br>Refer to the iLO 6 User Guide | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management (optional subscription available). | HPE iLO Standard with intelligent provisioning (embedded), HPE OneView Standard (requires download) (standard) HPE iLO Advanced, HPE OneView Advanced (optional, requires licenses), and HPE Compute Ops Management.<br>Refer to the iLO 6 User Guide |

| | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 2x16GB-U 4LFF 2x4TB HDD 1x1000W PS EU Server (P99458-425) | HPE ProLiant ML30 Gen11 6325P 3.5GHz 4c 1P 2x16GB-U 8SFF 1x1000W PS EU Server (P98189-425) | HPE ProLiant ML30 Gen11 6333P 3.1GHz 6c 1P 1x32GB-U 8SFF MR216i-p 2x480GB SSD 2x1000W PS EU Server (P87458-425) | HPE ProLiant ML30 Gen11 E-2414 2.6GHz 4-core 1P 16GB-U 4LFF-NHP 350W PS Server (P65093-421) |
|---|---|---|---|---|
| **Security** | Embedded Trusted Platform Module (TPM) 2.0 enabled by default. For servers shipping to China, the TPM is disabled.<br>For full security features refer to the QuickSpecs. | | | |
| **Warranty** | Server warranty includes 3-year parts, 1-year labor, and 1-year on-site support with next business day response. 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, visit www.hpe.com/services/support. | | | |

# Related Options

The following options are available for these series:

| SKU | Description |
|---|---|
| **Adapters** | |
| P51178-B21 | Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T Adapter for HPE |
| P26259-B21 | Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ Adapter for HPE |
| P26262-B21 | Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE |
| P26253-B21 | Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T Adapter for HPE |
| P26264-B21 | Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE |
| P08443-B21 | Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE |
| P08458-B21 | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE |
| P42044-B21 | Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 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** | |
| 851615-B21 | HPE ML30 Gen9 Tape Drive Cable Kit |
| P06307-B21 | HPE ML30 Gen10 Mini SAS Cable Kit |
| P57104-B21 | HPE ProLiant ML30 Gen10 Plus BCM Controller Cable Kit |
| P65100-B21 | HPE ProLiant ML30 Gen11 LTO Cable Kit |
| P65098-B21 | HPE ProLiant ML30 Gen11 NS204i-u Cable Kit |
| P65741-B21 | HPE ProLiant ML30 Gen11 iLO/NIC/M.2/COM Port Kit |
| P65102-B21 | HPE ProLiant ML30 Optical Disk Drive Slimline Enablement Kit |
| **cloud solutions** | |
| R6J26AAE | Red Hat Ansible Automation Platform 100 Nodes 1yr Subscription 9x5 RH Support E-LTU |
| R6J33AAE | Red Hat OpenShift Container Platform 2 Cores or 4 vCPUs 1yr Subscription 9x5 RH Support E-LTU |
| **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 |
| P83350-B21 | HPE 7.68TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 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 |

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|---|---|
| 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 |
| 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 |
| 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 |
| 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 |
| 807878-B21 | HPE Gen9 LFF HDD Spade Blank Kit |
| 701498-B21 | HPE Mobile USB DVD-RW Optical Drive |
| P67850-B21 | HPE ProLiant ML30 Gen11 SFF PCIe Cable Kit |
| 666987-B21 | HPE Small Form Factor Hard Drive Blank Kit |

## Enterprise Memory Options

| | |
|---|---|
| P64336-B21 | HPE 16GB (1x16GB) Single Rank x8 DDR5-4800 CAS-40-39-39 Unbuffered Standard Memory Kit |
| P64339-B21 | HPE 32GB (1x32GB) Dual Rank x8 DDR5-4800 CAS-40-39-39 Unbuffered Standard Memory Kit |

## Licenses/Certificates

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

## Management Options

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|---|---|
| P65042-B21 | HPE 16W Smart Hybrid Capacitor with 260mm Cable |
| P01367-B21 | HPE 96W Smart Storage Lithium-ion Battery with 260mm Cable Kit |
| P47785-B21 | HPE MR216i-p Gen11 x16 Lanes without Cache PCI SPDM Plug-in Storage Controller |
| P74775-B21 | HPE MR408i-p Gen11 x8 Lanes 4GB Cache PCI SPDM Plug-in Storage Controller |
| P47777-B21 | HPE MR416i-p Gen11 x16 Lanes 8GB Cache PCI SPDM Plug-in Storage Controller |

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| 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 |

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|---|---|
| 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 |

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|---|---|
| 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 |

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|---|---|
| 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 |

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|---|---|
| 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 |
| S0F24AAE | SUSE Linux Enterprise Server 1-2 Sockets Unlimited VM w/Live Patching 5-year 9x5 E-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 |

## Power Management Options

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|---|---|
| AF569A | HPE C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord |

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|---|---|
| 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 |
| 786710-B21 | HPE ML150 Gen9 Smart Storage Battery Holder Kit |
| P65104-B21 | HPE ProLiant ML30 Gen11 4U RPS Enablement Kit |

## Power Supplies

| | |
|---|---|
| 865408-B21 | HPE 500W 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 |
| 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 |
| 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 |

## Rack and Power Options

| | |
|---|---|
| P65106-B21 | HPE ProLiant ML30 Gen11 Front PCI Fan and Baffle Kit |

## Rack Options

| | |
|---|---|
| 874578-B21 | HPE ML Gen10 Tower to Rack Conversion Kit with Sliding Rail Rack Shelf and Cable Management Arm |

## Server accelerators

| | |
|---|---|
| S7K99C | NVIDIA RTX A400 4GB PCIe ATX Bracket 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 |

### Switches

| | |
|---|---|
| R9W89A | HPE Networking CX8100 24x10G Base-T 4x10G SFP+ 4x40/100G QSFP28 BF 3xFan 2AC PSU Switch Bundle |
| R9W88A | HPE Networking CX8100 24x10G Base-T 4x10G SFP+ 4x40/100G QSFP28 FB 3xFan 2AC PSU Switch Bundle |
| R9W93A | HPE Networking CX8100 40x10G Base-T 8x10G SFP+ 4x40/100G QSFP28 BF 3xFan 2AC PSU Switch Bundle |
| R9W92A | HPE Networking CX8100 40x10G Base-T 8x10G SFP+ 4x40/100G QSFP28 FB 3xFan 2AC PSU Switch Bundle |
| JL625A | HPE Networking CX8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 BF 6xFan 2xPSU Switch Bundle |
| JL624A | HPE Networking CX8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 FB 6xFan 2xPSU Switch Bundle |
| S4B21A | HPE Networking CX8325H 18p SFP28 25G 4p QSFP28 100G Back-to-Front 4xFan 2xPSU Switch |
| S4B20A | HPE Networking CX8325H 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

| | |
|---|---|
| 455883-B21 | HPE BladeSystem c-Class 10Gb SFP+ SR Transceiver |

## Related Services

The following services are available for these series:

| SKU | Description |
|---|---|
| **Technology Services** | |
| H45BCE | HPE 3 Year Tech Care Basic DL20 Gen10/11 ML30 Gen10/11 Smart Choice Service |
| H42KVE | HPE 3 Year Tech Care Basic wCDMR ML30 Gen11 HW Service |
| H42KTE | HPE 3 Year Tech Care Basic wDMR ML30 Gen11 HW Service |
| H42LDE | HPE 3 Year Tech Care Critical for ML30 Gen11 HW Service |
| H42LGE | HPE 3 Year Tech Care Critical wCDMR ML30 Gen11 HW Service |

| | |
|---|---|
| H42LFE | HPE 3 Year Tech Care Critical wDMR ML30 Gen11 HW Service |
| H81T0E | HPE 3 Year Tech Care Essential DL20/ML30 Smart Choice Service |
| H42LCE | HPE 3 Year Tech Care Essential wCDMR ML30 Gen11 HW Service |
| H42LBE | HPE 3 Year Tech Care Essential wDMR ML30 Gen11 HW Service |
| H42LHE | HPE 4 Year Tech Care Basic ML30 Gen11 HW Service |
| H42LKE | HPE 4 Year Tech Care Basic wCDMR ML30 Gen11 HW Service |
| H42LJE | HPE 4 Year Tech Care Basic wDMR ML30 Gen11 HW Service |
| H42LTE | HPE 4 Year Tech Care Critical for ML30 Gen11 HW Service |
| H42LWE | HPE 4 Year Tech Care Critical wCDMR ML30 Gen11 HW Service |
| H42LVE | HPE 4 Year Tech Care Critical wDMR ML30 Gen11 HW Service |
| H42LQE | HPE 4 Year Tech Care Essential ML30 Gen11 HW Service |
| H42LSE | HPE 4 Year Tech Care Essential wCDMR ML30 Gen11 HW Service |
| H42LRE | HPE 4 Year Tech Care Essential wDMR ML30 Gen11 HW Service |
| H45BDE | HPE 5 Year Tech Care Basic DL20 Gen10/11 ML30 Gen10/11 Smart Choice Service |
| H42LZE | HPE 5 Year Tech Care Basic wCDMR ML30 Gen11 HW Service |
| H42LYE | HPE 5 Year Tech Care Basic wDMR ML30 Gen11 HW Service |
| H42MJE | HPE 5 Year Tech Care Critical for ML30 Gen11 HW Service |
| H42MLE | HPE 5 Year Tech Care Critical wCDMR ML30 Gen11 HW Service |
| H42MKE | HPE 5 Year Tech Care Critical wDMR ML30 Gen11 HW Service |
| H81T1E | HPE 5 Year Tech Care Essential DL20/ML30 Smart Choice Service |
| H42MHE | HPE 5 Year Tech Care Essential wCDMR ML30 Gen11 HW Service |
| H42MGE | HPE 5 Year Tech Care Essential wDMR ML30 Gen11 HW Service |
| H42MME | HPE 6 Year Tech Care Basic ML30 Gen11 Service |
| H42MNE | HPE 6 Year Tech Care Basic wDMR ML30 Gen11 Service |
| H42MSE | HPE 6 Year Tech Care Essential ML30 Gen11 Service |
| H42MTE | HPE 6 Year Tech Care Essential wDMR ML30 Gen11 Service |
| H42MVE | HPE 7 Year Tech Care Basic ML30 Gen11 Service |
| H42MWE | HPE 7 Year Tech Care Basic wDMR ML30 Gen11 Service |
| H42MZE | HPE 7 Year Tech Care Essential ML30 Gen11 Service |
| H42NBE | HPE 7 Year Tech Care Essential wDMR ML30 Gen11 Service |
| H33XSE | HPE Education - Learning Credits 1 Year Service |
| U4554E | HPE ProLiant DL/ML Install Service |
| U4555E | HPE Proliant DL/ML Ons 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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PSN1014788890NLEN, October, 2026.

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