Have feedback on QuickSpecs? We're listening

HPE Alletra Storage Server 4140 QuickSpecs

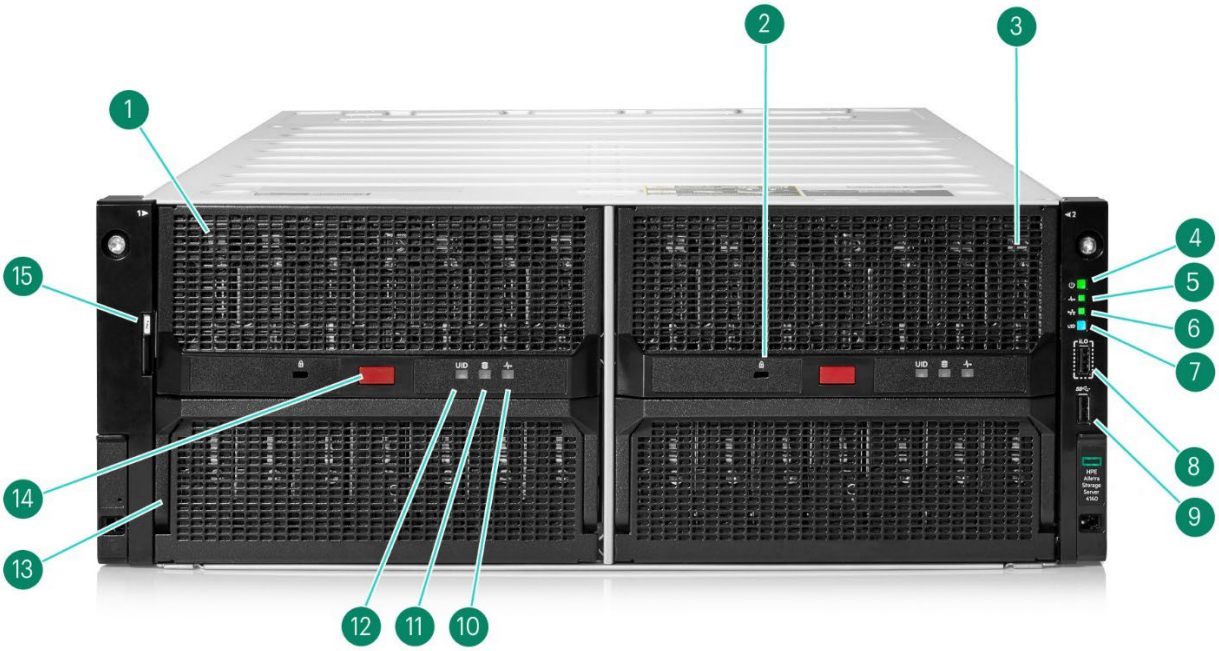
Are you looking for server-based data infrastructure with the highest density of storage capacity and balanced performance for bulk data-driven initiatives?

The HPE Alletra Storage Server 4140 is specifically designed to provide high throughput for the largest storage-centric workloads to power your data-driven initiatives. From deep archives and data protection to active analytics data lakes, file and object Software-Defined Storage, and so much more, the two chassis deliver the capabilities you need at ideal economics with trusted security and cloud-operating experience. Designed for high-density hybrid bulk storage, the HPE Alletra Storage Server 4140 supports up to 2.2 PB of storage in 4U. It includes the option to consume bulk storage as a service via GreenLake, enabling you to shift from owning and maintaining to simply utilizing it. The HPE Alletra Storage Server 4000 family of storage servers provides the data infrastructure for any successful data-driven organization.

Overview



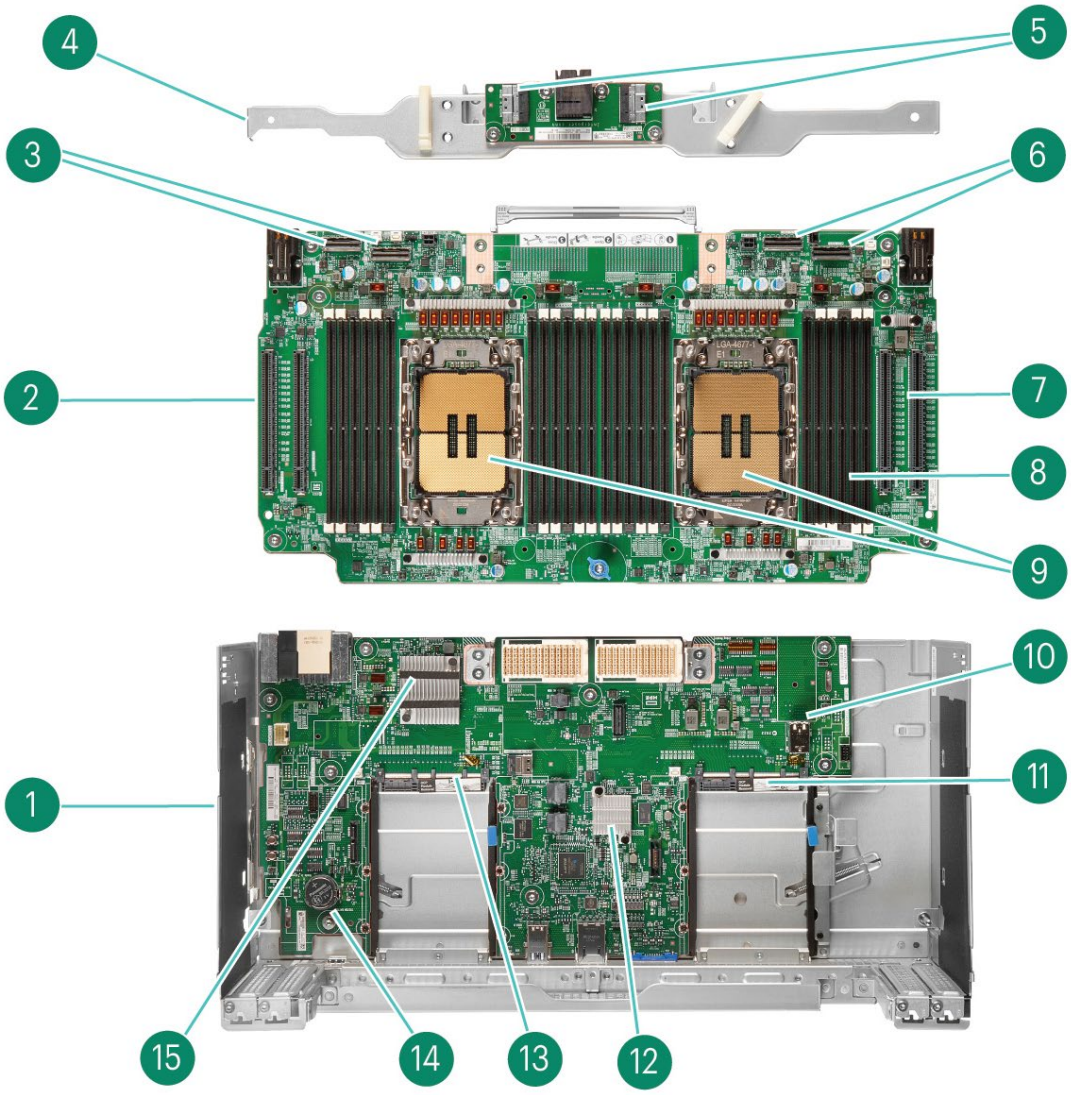
HPE Alletra Storage Server 4140 (68 LFF system shown)



HPE Alletra Storage Server 4140 Configure-to-order System Front View

Item	Description	Item	Description
1.	Drive Drawer 1	9.	USB 3.0 Port
2.	Drive Drawer Lock slot	10.	Backplane Health LED
3.	Drive Drawer 2	11.	Drive Health LED
4.	Power On/Standby button and system power LED	12.	Drive Drawer UID LED
5.	System Health LED	13.	Drawer handle
6.	NIC Status LED	14.	Drawer handle release button
7.	System UID LED	15.	System information pull-tab
8.	iLO Service Port		

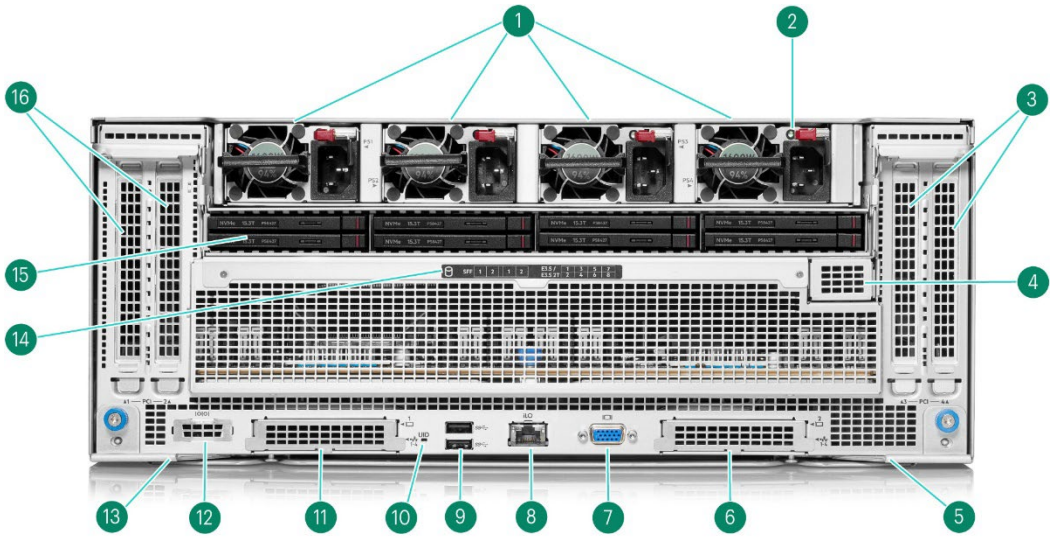
Overview



HPE Alletra Storage Server 4140 Configure-to-order System Exploded Server Node View

Item	Description	Item	Description
1.	Management Board	9.	Up to 2 processors
2.	CPU Board	10.	Internal USB connector
3.	MCIO connectors left	11.	OCP 3.0 connector
4.	SAS Interposer Board	12.	iLO
5.	SAS connectors	13.	OCP 3.0 connector
6.	MCIO connectors right	14.	System battery
7.	PCIe x16 slots	15.	Platform Control Hub
8.	Up to 24 DDR5 DIMM slots		

Overview



HPE Alletra Storage Server 4140 Configure-to-order System Rear View

Item	Description	Item	Description
1.	Flex Slot power supply bays 1 through 4	9.	USB 3.0 ports
2.	Power Supply LEDs	10.	UID LED
3.	PCIe FHHL slots 3 and 4	11.	OCP 3.0 slot 1 (Slot ID 14)
4.	Location for NS204i-u or M.2 boot devices	12.	Location for serial port option
5.	Server node release handles 1	13.	Server node release handles 2
6.	OCP 3.0 slot 2 (Slot ID 15)	14.	Rear drive numbering label
7.	Video port	15.	8 EDSFF rear drive cage option
8.	iLO NIC port	16.	PCIe FHHL slots 1 and 2

What's New

- HPE NS204i-u v2 960 GB NVMe Hot Plug Boot-optimized Storage Device.
- HPE NS204i-u v2 960 GB NVMe SED Hot Plug Boot-optimized Storage Device.

Notes: [1] 4800 MT/s versus 3200 MT/s for the 3rd generation Intel® Xeon® Scalable processors.

Platform Information

Form Factor

- 4U rack.

Chassis Types

- Base model with 60 or 68 LFF SAS 24 Gb/SATA 6 Gb slots, depending on whether a rear drive cage is installed.
- Extended model with 84 or 92 LFF SAS 24 Gb/SATA 6 Gb slots, depending on whether a rear drive cage is installed.

Notes:

- Optional Rear Drive Cages:
  - 8 EDSFF E3S EC1 EDSFF NVMe x4 Rear Drive Cage.
  - 4 SFF NVMe U.3 x4 Rear Drive Cage.

System Fans

6 system quad-fan modules shipped as standard.

Standard Features

Processors

Up to 2 of the following depending on model.

Notes:

- The 2nd digit of the processor model number "x4xx" is used to denote the processor generation (i.e., 4 = 4th generation).
- This table covers the public Intel offering only.
- For more information regarding Intel Xeon processors, please see the following http://www.intel.com/xeon.

5th Generation Intel® Xeon® Scalable Processor Family (Gold 6)							
Intel Xeon Models	**CPU Frequency**	**Cores**	**L3 Cache**	**Power**	**UPI**	**DDR5**	**SGX Enclave size**
Gold 6538N Processor	2.1 GHz	32	60 MB	205 W	3 @ 20 GT/s	5200 MT/s	128 GB
Gold 6526Y Processor	2.8 GHz	16	37.5 MB	195 W	3 @ 20 GT/s	5200 MT/s	128 GB

5th Generation Intel® Xeon® Scalable Processor Family (Gold 5)							
Intel Xeon Models	**CPU Frequency**	**Cores**	**L3 Cache**	**Power**	**UPI**	**DDR5**	**SGX Enclave size**
Gold 5520+ Processor	2.2 GHz	28	52.5 MB	205 W	3 @ 20 GT/s	4800 MT/s	128 GB
Gold 5515+ Processor	3.2 GHz	8	22.5 MB	165 W	3 @ 20 GT/s	4800 MT/s	128 GB
Gold 5512U Processor	2.1 GHz	28	52.5 MB	185 W	N/A	4800 MT/s	128 GB

4th Generation Intel® Xeon® Scalable Processor Family (Gold)							
Intel Xeon Models	**CPU Frequency**	**Cores**	**L3 Cache**	**Power**	**UPI**	**DDR5**	**SGX Enclave size**
Gold 6438Y+ Processor	2.0 GHz	32	60 MB	205 W	3 @ 16 GT/s	4800 MT/s	128 GB
Gold 6426Y Processor	2.5 GHz	16	37.5 MB	185 W	3 @ 16 GT/s	4800 MT/s	128 GB
Gold 5420+ Processor	2.0 GHz	28	52.5 MB	205 W	3 @ 16 GT/s	4400 MT/s	128 GB
Gold 5418Y Processor	2.0 GHz	24	45 MB	185 W	3 @ 16 GT/s	4400 MT/s	128 GB
Gold 5418N Processor	1.8 GHz	24	45 MB	165 W	3 @ 16 GT/s	4000 MT/s	128 GB
Gold 5416S Processor	2.0 GHz	16	30 MB	150 W	3 @ 16 GT/s	4400 MT/s	128 GB
Gold 5415+ Processor	2.9 GHz	8	22.5 MB	150 W	3 @ 16 GT/s	4400 MT/s	128 GB
Gold 5412U Processor	2.1 GHz	24	45 MB	185 W	N/A	4400 MT/s	128 GB

Notes:

- 2 socket capable, 2S - 4 or 3 UPI @ 20 or 16 GT/s, except U SKUs.
- 4th and 5th Generation: 8-Channel DDR5 1DPC @ 5200 – 4000 MT/s.
- 80 lanes PCIe 5.0, advanced RAS.
- Y SKUs support Intel Speed Select Technology – Performance Profile 2.0 (Intel SST-PP).
- U SKUs supported in one-socket configurations only.
- S SKUs are storage & hyperconverged infrastructure (HCI) optimized SKUs.
- N SKUs support Intel QuickAssist Technology (QAT).
- + Feature Plus: Support AMX, DLB, DSA, IAA and QAT additionally.

Standard Features

5th Generation Intel® Xeon® Scalable Processor Family (Silver)							
Intel Xeon Models	**CPU Frequency**	**Cores**	**L3 Cache**	**Power**	**UPI**	**DDR5**	**SGX Enclave size**
Silver 4516Y+ Processor	2.2 GHz	24	45 MB	185 W	2 @ 16 GT/s	4400 MT/s	64 GB
Silver 4514Y Processor	2.0 GHz	16	30 MB	150 W	2 @ 16 GT/s	4400 MT/s	64 GB
Silver 4510 Processor	2.0 GHz	12	30 MB	150 W	2 @ 16 GT/s	4400 MT/s	64 GB
Silver 4509Y Processor	2.6 GHz	8	22.5 MB	125 W	2 @ 16 GT/s	4400 MT/s	64 GB

4th Generation Intel® Xeon® Scalable Processor Family (Silver)							
Intel Xeon Models	**CPU Frequency**	**Cores**	**L3 Cache**	**Power**	**UPI**	**DDR5**	**SGX Enclave size**
Silver 4416+ Processor	2.0 GHz	20	37.5 MB	165 W	2 @ 16 GT/s	4000 MT/s	64 GB
Silver 4410Y Processor	2.0 GHz	12	30 MB	150 W	2 @ 16 GT/s	4000 MT/s	64 GB

Notes:

- 2 socket capable, 2S - 2 UPI @ 16 GT/s, except U SKUs.
- 4th Generation: 8-Channel DDR5 @ 4000 MT/s.
- 80 lanes PCIe 5.0, advanced RAS.
- Y SKUs support Intel Speed Select Technology – Performance Profile 2.0 (Intel SST-PP).
- + Feature Plus: Support AMX, DLB, DSA, IAA and QAT additionally.

5th Generation Intel® Xeon® Scalable Processor Family (Bronze)							
Intel Xeon Models	**CPU Frequency**	**Cores**	**L3 Cache**	**Power**	**UPI**	**DDR5**	**SGX Enclave size**
Bronze 3508U Processor	2.1 GHz	8	22.5 MB	125 W	N/A	4400 MT/s	64 GB

4th Generation Intel® Xeon® Scalable Processor Family (Bronze)							
Intel Xeon Models	**CPU Frequency**	**Cores**	**L3 Cache**	**Power**	**UPI**	**DDR5**	**SGX Enclave size**
Bronze 3408U Processor	1.8 GHz	8	22.5 MB	125 W	N/A	4000 MT/s	64 GB

Notes:

- 4th Generation: 8-Channel DDR5 @ 4000 MT/s.
- 80 lanes PCIe 5.0, advanced RAS.
- U SKUs supported in one-socket configurations only.

Chipset

Intel C741 Chipset.

Notes: For more information regarding Intel® chipsets, please see the following URL: http://www.intel.com/products/server/chipsets/.

On System Management Chipset

HPE iLO 6 ASIC.

Notes: Read and learn more in the iLO QuickSpecs.

Standard Features

Memory

Type	HPE DDR5 Smart Memory Registered (RDIMM)
DIMM Slots Available	24 12 DIMM slots per processor, 8 channels per processor, 2-2-1-1 deployment
Maximum capacity (RDIMM)	1.5 TB 24 x 64 GB RDIMM @ 5200 or 4800 MT/s

Notes:

- The maximum memory speed is limited by the processor selection.
- The maximum capacity per system is limited by the overall configuration selection due to thermal capacity.

Memory Protection

Advanced ECC

Advanced ECC uses single device data correction to detect and correct single and all multibit errors that occur within a single DRAM chip.

Internal Storage Devices

- **Hard Drives**
  None shipped as standard.

Storage Controllers

NVMe Boot Devices

- Optional HPE NS204i-u Gen11 NVMe Hot Plug Boot-optimized Storage Device.
- Optional HPE NS204i-u v2 960 GB NVMe Hot Plug Boot-optimized Storage Device.
- Optional HPE NS204i-u v2 960 GB NVMe SED Hot Plug Boot-optimized Storage Device.

Notes:

- NS204i-u does not occupy a PCIe slot.
- Two 480 GB, 960 GB or 960 GB SED M.2 NVMe SSD drives are included in the NS204i-u Gen11 or v2 Hot Plug Boot Device.
- Hardware RAID 1 supported on the NS204i-u Gen11 or v2 Hot Plug Boot Device.

Smart Array Controller

- HPE Alletra 41X0 SR 32-port PCIe FIO Storage Controller.
  Notes: Only available for factory integration.
- HPE SR932i-p Gen11 x32 Lanes 8 GB Wide Cache PCI SPDM Plug-in Storage.
  Notes: Suggested for field upgrade only.
- HPE Smart Array E208e-p SR Gen10 Storage Controller.
  Notes: Used for attaching external storage devices such as JBODs and tape drives.

Notes: For additional details, please visit: HPE Compute SR Gen11 Controllers QuickSpecs.

Standard Features

Maximum Internal Storage

Maximum Storage		
Storage	**Capacity**	**Configuration**
68 LFF with no rear cage	1,632 TB	68 x 24 TB SAS/SATA
60 LFF with 8 EDSFF NVMe rear cage	1,562 TB	60 x 24 TB SAS/SATA + 8 x 15.36 TB EDSFF
60 LFF with 4 SFF NVMe rear cage	1,501 TB	60 x 24 TB SAS/SATA + 4 x 15.35 TB NVMe
92 LFF with no rear cage	2,208 TB	92 x 24 TB SAS/SATA
84 LFF with 8 EDSFF NVMe rear cage	2,138 TB	84 x 24 TB SAS/SATA + 8 x 15.36 TB EDSFF
84 LFF with 4 SFF NVMe rear cage	2,077 TB	84 x 24 TB SAS/SATA + 4 x 15.36 TB NVMe

Internal Storage Devices

- Hard Drives.
- None shipped as standard.

Graphics

- Integrated video (standard).
  - Video modes up to 1920 x 1200 @ 60 Hz (32 bpp).
  - 16 MB Video Memory.
- HPE iLO 6 on system management memory.
  - 32 MB Flash.
  - 4 Gbit DDR3 with ECC protection.

Power Supply

- HPE 1000 W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit.
  Notes: Available in 96% efficiency.
- HPE 1600 W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit.
  Notes:
  - Available in 94% efficiency.
  - 1600 W Power supplies only support high line voltage (200 VAC to 240 VAC).
- HPE 1800-2200 W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit.
  Notes:
  - Available in 96% efficiency.
  - 1800-2200 W Power supplies only support high line voltage (200 VAC to 240 VAC).

HPE Flexible Slot (Flex Slot) Power Supplies share a common electrical and physical design that allows for hot plug, tool-less installation into HPE ProLiant Performance Servers. Flex Slot power supplies are certified for high-efficiency operation and offer multiple power output options, allowing users to "right-size" a power supply for specific server configurations. This flexibility helps to reduce power waste, lower overall energy costs, and avoid trapped power capacity in the data center.
All pre-configured servers ship with a standard 6-foot IEC C-13/C-14 jumper cord (A0K02A). This jumper cord is also included with each standard AC power supply option kit. If a different power cord is required, please check the ProLiant Power Cables web page.

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

For information on power specifications and technical content visit HPE Server power supplies.

Standard Features

Interfaces

Serial	1 port – Optional, rear
VGA Port	1 port – Standard, rear
Network Ports	None. Choice of OCP or standup PCIe card, supporting a wide range of NIC adapters
HPE iLO Remote Management Network Port	1 GbE Dedicated
Front iLO Service Port	1 standard
USB 3.0	5 standard on all models: 1 front, 2 rear, 2 internal

Operating Systems and Virtualization Software

- Windows Server 2019
- Windows Server 2022
- Windows Server 2025
- Red Hat Enterprise Linux (RHEL) 8.6
- Red Hat Enterprise Linux (RHEL) 9.0
- Red Hat Enterprise Linux (RHEL) 10.0
- SUSE Linux Enterprise Server (SLES) 15 SP4
- SUSE Linux Enterprise Server (SLES) 16
- SUSE Linux Enterprise Server (SLES) 15 SP5 QU1
- SUSE Linux Enterprise Server (SLES) SL Micro 6.2
- SUSE Linux Enterprise Server (SLES) SL Micro 5.5
- VMware 7.0 U3
- VMware 8.0 U1, U2, U3
- VMware 9.0
- VMware 9.1
- Canonical Ubuntu 20.04.5 (5.15.0)
- Canonical Ubuntu 22.04 (5.15.0)
- Canonical Ubuntu 24.04 LTS

Notes: For more information on Hewlett Packard Enterprise Certified and Supported ProLiant Servers for OS and Virtualization Software and latest listing of software drivers available for your server visit: http://www.HPE.com/info/ossupport

Industry Standard Compliance

- ACPI 6.4 Compliant
- PCIe 5.0 Compliant
- WOL Support
- Microsoft® Logo certifications
- PXE Support
- USB 3.2 Gen1 Compliant
- SMBIOS 3.4
- Redfish API
- IPMI 2.0

Standard Features

- Secure Digital 4.0
- TPM 2.0 support
- Advanced Encryption Standard (AES)
- Triple Data Encryption Standard (3DES)
- SNMP v3
- TLS 1.2
- DMTF Systems Management Architecture for Server Hardware Command Line (SMASH CLP)
- One Button Secure Erase Enhancements

  Notes:
  - For additional technical, thermal details regarding ambient temperature, humidity, and feature support, please visit: http://www.HPE.com/servers/ashrae
  - At Standard Operating Support conditions, there is no time limitation for operating the servers in ASHRAE Class A2 conditions, unless otherwise specified in the applicable product information.
- UEFI (Unified Extensible Firmware Interface Forum) 2.7 – Red Hat

---

Embedded Management

HPE Integrated Lights-Out (HPE iLO)
Monitor your servers for ongoing management, service alerting, reporting and remote management with HPE iLO. Learn more at: http://www.HPE.com/info/ilo.

UEFI
Configure and boot your servers securely with industry standard Unified Extensible Firmware Interface (UEFI). Learn more at: http://www.HPE.com/servers/uefi.

Intelligent Provisioning
Streamlined server and Operating System provisioning for one or more servers with Intelligent Provisioning. Learn more at: http://www.HPE.com/servers/intelligentprovisioning.

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

Server Utilities

Active Health System
The HPE Active Health System (AHS) is an essential component of the iLO management portfolio that provides continuous, proactive health monitoring of HPE servers. Learn more at: http://www.HPE.com/servers/ahs.

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

Standard Features

Smart Update
Keep your servers up to date with the HPE Smart Update solution by using Smart Update Manager (SUM) to optimize the firmware and driver updates of the Service Pack for ProLiant (SPP). Learn more at: https://www.HPE.com/us/en/servers/smart-update.html

iLO Amplifier Pack
Designed for large enterprise and service provider environments with hundreds of HPE servers, the iLO Amplifier Pack is a free, downloadable open virtual application (OVA) that delivers the power to discover, inventory and update Gen8, Gen9, Gen10 and Gen11 HPE servers at unmatched speed and scale. Use with an iLO Advanced License to unlock full capabilities. Learn more at: http://www.HPE.com/servers/iLOamplifierpack.

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

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

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

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

HPE Compute Ops Management
HPE is intelligently transforming compute management with a completely new as a service experience that delivers greater security, simplicity, and efficiency. Discover a completely modernized compute management experience delivered through GreenLake that securely streamlines operations from edge-to-cloud, and automates key lifecycle tasks (onboard, update, manage and monitor HPE servers), bringing the agility and greater efficiencies to wherever compute devices reside via a unified single browser-based interface.

HPE Compute Ops Management is built on a unique cloud-native architecture that abstracts, manages and controls HPE servers regardless of physical location. The management application resides in the GreenLake cloud platform (access via: https://console.greenlake.HPE.com) and leverages the GreenLake architecture, security, and unified operations.

Standard Features

Security

- UEFI Secure Boot and Secure Start support
- Immutable Silicon Root of Trust
- FIPS 140-2 validation
- Common Criteria certification
- Configurable for PCI DSS compliance
- Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser
- Support for Commercial National Security Algorithms (CNSA)
- iLO Security Modes
- Granular control over iLO interfaces
- Smart card (PIV/CAC) and Kerberos based 2-factor Authentication
- Tamper-free updates – components digitally signed and verified
- Secure Recovery – recover critical firmware to known good state on detection of compromised FW
- Ability to roll back firmware
- Secure erase of NAND
- TPM (Trusted Platform Module) 2.0 option
- Bezel Locking Kit
- Chassis Intrusion detection

HPE Trusted Platform Module

HPE Trusted Platform Module 2.0 is included on Pre-Configured models and can be enabled and disabled using the BIOS.

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

Warranty

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

Notes: Server warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response. Warranty repairs may be accomplished through the use of Customer Self Repair (CSR) parts. These parts fall into two categories: 1) Mandatory CSR parts are designed for easy replacement. A travel and labor charge will result when customers decline to replace a Mandatory CSR part; 2) Optional CSR parts are also designed for easy replacement but may involve added complexity. Customers may choose to have Hewlett Packard Enterprise replace Optional CSR parts at no additional cost. Additional information regarding worldwide limited warranty and technical support is available at:
https://support.HPE.com/hpesc/public/docDisplay?docId=sd00004309en_us&docLocale=en_US.

Server Management

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

HPE iLO Advanced Premium Security Edition
HPE iLO Advanced Premium Security Edition for iLO 5 includes iLO Advanced License plus high-end security modes, unique security capabilities, like Automatic FW recovery; Runtime FW verification, and Secure erase. Learn more about HPE iLO Advanced Premium Security Edition at:
https://support.HPE.com/hpesc/public/docDisplay?docId=sd00002201en_us&page=GUID-64558145-CCB8-49F8-A197-6EB4433B26A9.html&docLocale=en_US

HPE OneView Advanced
HPE OneView brings a new level of automation to infrastructure management by taking a template-driven approach to provisioning, updating, and integrating compute, storage, and networking infrastructure. It provides full-featured licenses which can be purchased for managing Gen8, Gen9, Gen10 and Gen11 servers. To learn more visit: http://www.HPE.com/info/oneview.

HPE Insight Cluster Management Utility (CMU)
HPE Insight Cluster Management Utility is a HyperScale management framework that includes software for the centralized provisioning, management and monitoring of nodes and infrastructure. Learn more at: http://www.HPE.com/info/cmu.

Rack and Power Infrastructure

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

HPE G2 Advanced and Enterprise Racks are perfect for the server room or today's modern data center with enhanced airflow and thermal management, flexible cable management, and a 10-year Warranty to support higher density computing.

HPE G2 PDUs offer reliable power in flexible form factors that operate at temperatures up to 60°, include color-coded outlets and load segments and a low-profile design for optimal access to the rack and support for dense rack environments.

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

Standard Features

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

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

Notes:

- Rack fitment of HPE Alletra Storage Servers is optimized for HPE G2 Series Racks, HPE rail kits, HPE cables and HPE power distribution units.
- Proper rack fitment of HPE Alletra Storage Servers in third-party racks using third-party racking options is the sole responsibility of the customer. Consult the HPE Alletra Storage Server 4140 Setup and Installation Guide, Mechanical specifications section, for fitment planning.

One Config Simple (SCE)

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

https://h22174.www2.HPE.com/SimplifiedConfig/Welcome#

Service and Support

For the most up-to-date information on HPE Services, please refer to the HPE Services – Supplemental QuickSpecs, which provides a comprehensive and regularly updated overview of available services.

Configuration Information

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

- Factory Integrated Models must start with a CTO Server.
- FIO indicates that this option is only available as a factory installable option.
- Some options may not be integrated at the factory. Contact your local sales representative for additional information

Step 1: Base Configuration (choose one of the following configurable models)

Network Choice (NC) Models

Network Choice models do not include embedded LOM. To enable networking capability please select a validated alternative NIC -OCP or PCIe- from the Core Options section.

CTO Models	HPE Alletra Storage Server 4140 68 LFF Configure-to-order System	HPE Alletra Storage Server 4140 92 LFF Configure-to-order System
SKU Number	P63103-B21	P63253-B21
TAA SKU*	P63103-B21#GTA	P63253-B21#GTA
Processor	Not included as standard	
DIMM Slots	24-DIMM slots	
Storage Controller	One or two SR 32-Port PCIe FIO Storage Controllers are required	One or Two SR 32-Port PCIe FIO Storage Controllers are required
PCIe	Up to 4 PCIe slots	
Rear Drive Cage Options	P63129-B21 - HPE Alletra Storage Server 4140 8EDSFF E3.S Thin Carrier Rear Drive Cage FIO Kit P63131-B21 - HPE Alletra Storage Server 4140 4SFF PCIe x4 U.3 BC Rear Drive Cage FIO Enablement Kit	
Network Controller	Choice of OCP or stand-up PCIe cards **Notes:** No embedded networking.	
Fans	6 quad-rotor fan modules	
Management	Default: HPE iLO Standard with Intelligent Provisioning, HPE OneView Standard (requires download), HPE Compute Ops Management (subscription included)	
USB	Front: 1 USB 3.0 + iLO service port Rear: 2 USB 3.0 Internal: 2 USB 3.0	
Form Factor	4 U Rack	
Warranty	3-year parts, 3-year labor, 3-year onsite support with next business day response.	

Notes: *HPE offers multiple Trade Agreement Act (TAA) compliant configurations to meet the needs of US Federal Government customers. These products are either manufactured or substantially transformed in a designated country.

Configuration Information

Step 2: Choose Required Options

Please select one or two matching processors for either HPE Alletra Storage Server 4140 system.

Notes:

- Mixing of two different processor models is not supported.
- All Processors require the HPE Alletra Storage Server 4140 CPU Heat Sink (P64001-B21).

Step 2a: Choose Processor Options

Processor Option Kits

5th Generation Intel Xeon-Gold	SKU
Intel Xeon-Gold 6538N 2.1GHz 32-core 205W Processor Kit for HPE Alletra Storage Server 41X0	P67412-B21
Intel Xeon-Gold 6526Y 2.8GHz 16-core 195W Processor Kit for HPE Alletra Storage Server 41X0	P67418-B21
Intel Xeon-Gold 5520+ 2.2GHz 28-core 205W Processor Kit for HPE Alletra Storage Server 41X0	P67413-B21
Intel Xeon-Gold 5515+ 3.2GHz 8-core 165W Processor Kit for HPE Alletra Storage Server 41X0	P67402-B21
Intel Xeon-Gold 5512U 2.1GHz 28-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P67414-B21

5th Generation Intel Xeon-Silver	SKU
Intel Xeon-Gold 5512U 2.1GHz 28-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P67414-B21
Intel Xeon-Silver 4516Y+ 2.2GHz 24-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P67416-B21
Intel Xeon-Silver 4514Y 2.0GHz 16-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P67419-B21
Intel Xeon-Silver 4510 2.4GHz 12-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P67420-B21
Intel Xeon-Silver 4509Y 2.6GHz 8-core 125W Processor Kit for HPE Alletra Storage Server 41X0	P67403-B21

5th Generation Intel Xeon-Bronze	SKU
Intel Xeon-Bronze 3508U 2.1GHz 8-core 125W Processor Kit for HPE Alletra Storage Server 41X0	P67404-B21

Notes: U Supported in one-socket configurations only.

4th Generation Intel Xeon-Gold	SKU
Intel Xeon-Gold 6438Y+ 2.0GHz 32-core 205W Processor Kit for HPE Alletra Storage Server 41X0	P50806-B21
Intel Xeon-Gold 6426Y 2.5GHz 16-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P50794-B21
Intel Xeon-Gold 5420+ 2.0GHz 28-core 205W Processor Kit for HPE Alletra Storage Server 41X0	P50804-B21
Intel Xeon-Gold 5418Y 2.0GHz 24-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P50803-B21
Intel Xeon-Gold 5418N 1.8GHz 24-core 165W Processor Kit for HPE Alletra Storage Server 41X0	P50816-B21
Intel Xeon-Gold 5416S 2.0GHz 16-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P50808-B21
Intel Xeon-Gold 5415+ 2.9GHz 8-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P50793-B21
Intel Xeon-Gold 5412U 2.1GHz 24-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P50812-B21

Notes: U Supported in one-socket configurations only.

4th Generation Intel Xeon-Silver	SKU

Notes: All SKUs below ship with processor only. 4000 MT/s maximum memory speed unless otherwise noted.

Intel Xeon-Silver 4416+ 2.0GHz 20-core 165W Processor Kit for HPE Alletra Storage Server 41X0	P50802-B21
Intel Xeon-Silver 4410Y 2.0GHz 12-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P50801-B21

Configuration Information

4th Generation Intel Xeon-Bronze	SKU
Notes: All SKUs below ship with processor only. 4000 MT/s maximum memory speed unless otherwise noted.	
Intel Xeon-Bronze 3408U 1.8GHz 8-core 125W Processor Kit for HPE Alletra Storage Server 41X0	P50811-B21
Notes: U Supported in one-socket configurations only.	

Step 2b: Choose Memory Options

Please select one or more memory from below.

For additional information, please see the HPE DDR5 Smart Memory QuickSpecs.

Notes:

- The maximum memory speed and capacity is a function of the memory type, memory configuration, and processor model.
- Quantity of memory DIMMs selected per socket must be 1, 2, 4, 6, 8, or 12.
- Mixing of 3DS and non-3DS DIMMs not allowed.
- The 5600 MT/s Memory SKUs are supported for 5th Gen processors only.
- The 4800 MT/s Memory SKUs are supported for 4th Gen processors only.
- The -B21 memory SKUs shown in this document are to be used when ordering stand-alone memory only. For each -B21 SKU, there is a corresponding -F21 SKU which is to be used when configuring servers with integrated memory DIMMs.

Registered DIMMs (RDIMMs)

Notes:

- The mixing of 3DS and non-3DS DIMMs is not allowed.
- Rank Mixing is not supported.

Description	SKU
HPE 16GB (1x16GB) Single Rank x8 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit	P64705-B21
HPE 32GB (1x32GB) Dual Rank x8 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit	P64706-B21
HPE 64GB (1x64GB) Dual Rank x4 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit	P64707-B21
Notes: Mixing of different DDR5-5600 DIMM capacities is NOT allowed.	
HPE 16GB (1x16GB) Single Rank x8 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit	P43322-B21
HPE 32GB (1x32GB) Dual Rank x8 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit	P43328-B21
HPE 64GB (1x64GB) Dual Rank x4 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit	P43331-B21
Notes: Mixing different DDR5-4800 DIMM capacities is NOT allowed.	

Step 2c: Choose Power Supplies

Please select up to 4 power supplies from below.

Notes: Mixing different power supplies is NOT allowed.

HPE Flex Slot Power Supplies	SKU
HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit	P03178-B21
HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	P38997-B21
HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply Kit	P44712-B21
Notes: Only supports high line voltage (200 VAC to 240 VAC).	

Step 3: Choose Additional (FIO) Factory Integratable Options

Each of the following may be selected if desired at time of factory integration

Description	SKU
HPE Smart Memory Fast Fault Tolerance FIO Setting	875293-B21

Notes:

- Enables Fast Fault Tolerance mode, an HPE Memory RAS feature introduced in HPE Gen10 servers that survives up to two DRAM failures.
- This RAS feature combines Adaptive Double DRAM Device Correction (ADDC) with HPE Advanced Error Detection Technology, resulting in significantly better memory reliability and availability than what ADDDC provides on its own. For more information see our Memory RAS feature technical whitepaper.

HPE Security Options

HPE Server Security Optimized Service for HPE ProLiant (R9S59A) is an optional security upgrade intended for agencies and regulated industries with enhanced security and compliance needs. Applying this option to a HPE Alletra 41X0 CTO system ensures it is hardened by turning on advanced safeguards in place against cyber-exploits throughout the server lifecycle. An iLO Advanced License required for High Security Mode and compatible intrusion detection device option kits are prerequisites for the full optimization service.

Step 4: Management software

Select your choice of cloud-native management or on-premises management software.

HPE Compute Ops Management for cloud-native management

Notes: HPE Compute Ops Management for cloud-native management of Alletra Storage Servers, as well as ProLiant servers. The SKUs below are for Alletra Storage Servers specifically, and are billed upfront. If you want to be billed monthly or annually, please order R6Z73AAE standalone.

Recommended SKU	SKU
HPE Compute Ops Management Standard 5-year Upfront Alletra 4000 SaaS	S1E13AAE

Alternative SKUs	SKU
HPE Compute Ops Management Standard 3-year Upfront Alletra 4000 SaaS	S1E12AAE
HPE Compute Ops Management Advanced 3-year Upfront Alletra 4000 SaaS	S5E63AAE
HPE Compute Ops Management Advanced 5-year Upfront Alletra 4000 SaaS	S5E64AAE

Notes: The COM Advanced SKUs also include an iLO Advanced license and support so a standalone iLO Advanced license does not need to be ordered separately.

Required SKU when ordering through GreenLake Flex:	SKU
HPE Compute Ops Management Standard with Alletra 4000 Enablement	S4P39AAE

Notes: Both the tracking SKU above as well as one of the COM SaaS SKUs (S1E13AAE or S1E12AAE) are needed to allow COM to be included and transacted as part of a GL Flex solution and contracts.

HPE OneView	SKU
HPE OneView including 3yr 24x7 Support Flexible Quantity E-LTU	E5Y35AAE
HPE OneView w/o iLO including 3yr 24x7 Support Flexible Quantity E-LTU	P8B26AAE

Additional Options

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

HPE Unique Options

Heat Sink	SKU
HPE Alletra Storage Server 4140 CPU Heat Sink Kit	P64001-B21

Notes: Required for all processors.

System FIO Storage Controllers	SKU
HPE Alletra Storage Server 41X0 SR 32-port PCIe FIO Storage Controller	P61479-B21

Notes: Minimum of one is required to connect to LFF drives in the drawers.

Optional Rear Drive Cage

If desired, please select one of the two optional NVMe rear drive cages available from below. These rear drive cages must be installed in the factory. The NVMe SSDs in either of these cages can be directly connected to the processors or can be connected through one or two storage controllers.

Description	SKU
HPE Alletra Storage Server 4140 8EDSFF E3.S Thin Carrier Rear FIO Drive Cage Kit	P63129-B21

Notes: Initially, this rear cage option will not support VROC with only one processor and direct-attached drives. Use either two processors or connect the EDSFF drives through a storage controller.

HPE Alletra Storage Server 4140 4SFF PCIe x4 U.3 BC Rear Drive Cage FIO Enablement Kit	P63131-B21

Rear Drive Cage Cables	SKU

Notes:

- One of the Rear Drive Cage Cable must be selected when Rear Drive Cage Upgrade SKU is selected.
- If no rear cage is selected, no cable is required.
- Choose a cable based on the rear cage type, whether there is 1 processor or two, and if the rear drives are to be directly connected to the processor(s) or through storage controller(s) as indicated in the description.

HPE Alletra Storage Server 4140 1P 4SFF Rear Drive Cage Controller Attached Cable Kit	P64677-B21
HPE Alletra Storage Server 4140 1P 4SFF Rear Drive Cage Direct Attached Cable Kit	P64679-B21
HPE Alletra Storage Server 4140 1P 8EDSFF Rear Drive Cage Controller Attached Cable Kit	P64683-B21
HPE Alletra Storage Server 4140 1P 8EDSFF Rear Drive Cage Direct Attached Cable Kit	P64685-B21

Notes: Initially, this rear cage cable option will not support VROC.

HPE Alletra Storage Server 4140 2P 8EDSFF Rear Drive Cage Direct Attached Cable Kit	P65897-B21
HPE Alletra Storage Server 4140 2P 4SFF Rear Drive Cage Balanced Controller Attached Cable Kit	P64687-B21

Notes: When this SKU is selected, the 2nd processor and two storage controllers are required.

HPE Alletra Storage Server 4140 2P 4SFF Rear Drive Cage Balanced Direct Attached Cable Kit	P64689-B21

Notes: When this SKU is selected, the 2nd processor and two storage controllers are required.

HPE Alletra Storage Server 4140 2P 8EDSFF Rear Drive Cage Balanced Controller Attached Cable Kit	P64691-B21

Notes: When this SKU is selected, the 2nd processor and two storage controllers are required.

Additional Options

Description	SKU
HPE Alletra Storage Server 4140 2P 8EDSFF Rear Drive Cage Direct Attached Cable Kit	P65897-B21
Notes: When this SKU is selected, the 2nd processor and two storage controllers are required.	
HPE Alletra Storage Server 4140 1P 4SFF Rear Drive Cage 2x Controller Attached Cable Kit	P65899-B21
Notes: When this SKU is selected, two storage controllers are required.	
HPE Alletra Storage Server 4140 1P 8EDSFF Rear Drive Cage 2x Controller Attached Cable Kit	P65901-B21
Notes: When this SKU is selected, two storage controllers are required.	
HPE Alletra Storage Server 4140 2P 8EDSFF Rear Cage 4x Backplane 2x Drawer Controller Cable Kit	P67633-B21
Notes: When this SKU is selected, the 2nd processor and four storage controllers are required.	

System Racking Options	SKU
HPE Alletra Storage Server 4140 Serial Port FIO Enablement Kit	P64208-B21
HPE Alletra Storage Server 4140 Chassis Handle Kit	P79783-B21

Notes: This SKU includes 4 handles and is used when installing an Alletra 4140 without the use of a server lift. Empty the Alletra 4140 enclosure (including hard drives) before lifting, installing and removing from a rack.

System NVMe Boot Device Enablement Options	SKU
HPE Alletra Storage Server 4140 NS204i-u FIO Enablement Kit	P64210-B21

Notes:

- This FIO SKU is required when HPE NS204i-u Gen11 or v2 NVMe Hot Plug Boot-optimized Storage Device (P48183-B21, P81160-B21, or P81162-B21) or Alletra 41X0 NVMe M.2 Boot Device (P60350-B21) is installed.
- Because this is an FIO SKU, the installation of either boot device and this enablement kit must all be done in the factory.

Security

Description	SKU
HPE Bezel Lock Kit	875519-B21

Notes: This SKU is needed for each drive drawer in the Alletra 4140 to be secured.

HPE Processors

Please select one or two matching processors.

Notes:

- Mixing of two different processor models is not supported.
- All Processors require Heat Sink Kit (P64001-B21).

Processor Option Kits

5th Generation Intel Xeon-Gold	SKU
Intel Xeon-Gold 6538N 2.1GHz 32-core 205W Processor Kit for HPE Alletra Storage Server 41X0	P67412-B21
Intel Xeon-Gold 6526Y 2.8GHz 16-core 195W Processor Kit for HPE Alletra Storage Server 41X0	P67418-B21
Intel Xeon-Gold 5520+ 2.2GHz 28-core 205W Processor Kit for HPE Alletra Storage Server 41X0	P67413-B21
Intel Xeon-Gold 5515+ 3.2GHz 8-core 165W Processor Kit for HPE Alletra Storage Server 41X0	P67402-B21
Intel Xeon-Gold 5512U 2.1GHz 28-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P67414-B21

Additional Options

5th Generation Intel Xeon-Silver	SKU
Intel Xeon-Gold 5512U 2.1GHz 28-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P67414-B21
Intel Xeon-Silver 4516Y+ 2.2GHz 24-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P67416-B21
Intel Xeon-Silver 4514Y 2.0GHz 16-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P67419-B21
Intel Xeon-Silver 4510 2.4GHz 12-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P67420-B21

5th Generation Intel Xeon-Bronze	SKU
Intel Xeon-Bronze 3508U 2.1GHz 8-core 125W Processor Kit for HPE Alletra Storage Server 41X0	P67404-B21

Notes: U Supported in one-socket configurations only.

4th Generation Intel Xeon Gold	SKU

Notes:

- All SKUs below ship with processor only. Adequate heatsinks (standard, or high performance) must be selected.
- 4800 MT/S maximum memory speed unless otherwise noted.

Intel Xeon-Gold 6438Y+ 2.0GHz 32-core 205W Processor Kit for HPE Alletra Storage Server 41X0	P50806-B21
Intel Xeon-Gold 6426Y 2.5GHz 16-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P50794-B21
Intel Xeon-Gold 5420+ 2.0GHz 28-core 205W Processor Kit for HPE Alletra Storage Server 41X0	P50804-B21
Intel Xeon-Gold 5418Y 2.0GHz 24-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P50803-B21
Intel Xeon-Gold 5418N 1.8GHz 24-core 165W Processor Kit for HPE Alletra Storage Server 41X0	P50816-B21
Intel Xeon-Gold 5416S 2.0GHz 16-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P50808-B21
Intel Xeon-Gold 5415+ 2.9GHz 8-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P50793-B21
Intel Xeon-Gold 5412U 2.1GHz 24-core 185W Processor Kit for HPE Alletra Storage Server 41X0	P50812-B21

Notes: U Supported in one-socket configurations only.

4th Generation Intel Xeon-Silver	SKU

Notes:

- All SKUs below ship with processor only. Adequate heatsinks must be selected.
- 4000 MT/s maximum memory speed unless otherwise noted.

Intel Xeon-Silver 4416+ 2.0GHz 20-core 165W Processor Kit for HPE Alletra Storage Server 41X0	P50802-B21
Intel Xeon-Silver 4410Y 2.0GHz 12-core 150W Processor Kit for HPE Alletra Storage Server 41X0	P50801-B21

Midline - 12G SAS - LFF Drives	SKU
HPE 32TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE HDD	P88227-B21
HPE 26TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD	P80577-B21
HPE 24TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD	P68583-B21
HPE 20TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD	P53553-B21
HPE 16TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD	P23608-B21
HPE 12TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e Multi Vendor HDD	881781-B21
HPE 8TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty 512e Multi Vendor HDD	834031-B21
HPE 4TB SAS 12G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD	833928-B21

Additional Options

Midline - 6G SATA - LFF Drives	SKU
HPE 32TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE HDD	P88229-B21
HPE 26TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD	P80578-B21
HPE 24TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD	P68585-B21
HPE 20TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD	P53554-B21
HPE 16TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e ISE Multi Vendor HDD	P23449-B21
HPE 12TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Helium 512e Multi Vendor HDD	881787-B21
HPE 8TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty 512e Multi Vendor HDD	834028-B21
HPE 4TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD	861683-B21
HPE 2TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD	861681-B21
HPE 1TB SATA 6G Business Critical 7.2K LFF LP 1-year Warranty Multi Vendor HDD	861686-B21

SSD Selection

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

For SSDs with optimal product availability, HPE advocates SSDs from the list located here: https://www.HPE.com/us/en/products.html.

High Peformance Read Intensive – PCIe/NVMe EDSFF - E3S EC1 EDSFF Solid State Drives	SKU
HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	P78789-B21
HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91229-B21
HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	P85739-B21
HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	P78791-B21
HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91231-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	P78793-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91233-B21
HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	P85745-B21

Notes: When used in the HPE Alletra Storage Server 4140, the PM1743 SSD will exhibit lower performance for some metrics compared to the values in the HPE SSD QuickSpecs.

High Performance Read Intensive – PCIe/NVMe EDSFF - E3S EC1 SED FIPS 140-2 Solid State Drives	SKU
HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P70674-B21
HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P79122-B21

High Performance Mixed Use – PCIe/NVMe EDSFF - E3S EC1 EDSFF Solid State Drives	SKU
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	P78784-B21
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91098-B21
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	P85731-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	P78787-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91100-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	P85733-B21
HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91102-B21
HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	P85735-B21

Additional Options

High Performance Mixed Use – PCIe/NVMe EDSFF - E3S EC1 SED FIPS 140-2 Solid State Drives	SKU
HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P70669-B21
HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	P70672-B21

Mainstream Performance Read Intensive – PCIe/NVMe EDSFF - E3S EC1 EDSFF Solid State Drives	SKU
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	P69234-B21
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86024-B21
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	P85121-B21
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91090-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	P69237-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86026-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	P85124-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91092-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	P69239-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86028-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	P85126-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91094-B21
HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	P91096-B21
HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	P69546-B21
HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86030-B21
HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	P85128-B21
HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin PQC27 CD9P SSD	P86032-B21

Mainstream Performance Mixed Use – PCIe/NVMe EDSFF - E3S EC1 EDSFF Solid State Drives	SKU
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	P69241-B21
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin PQC27 CD9P SSD	P86016-B21
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	P85114-B21
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91084-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	P69243-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin PQC27 CD9P SSD	P86018-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	P85117-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91086-B21
HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	P69245-B21
HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin PQC27 CD9P SSD	P86020-B21
HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	P85119-B21
HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	P91088-B21

Additional Options

Mainstream Performance Mixed Read Optimized – PCIe/NVMe EDSFF - E3S EC1 EDSFF Solid State Drives	SKU
HPE 3.84TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	P63930-B21
HPE 7.68TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	P63934-B21
HPE 15.36TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	P63938-B21
HPE 30.72TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	P79065-B21
HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	P79615-B21

Mainstream Performance Mixed Use – PCIe/NVMe EDSFF - E3S EC1 EDSFF Self-encrypting Solid State Drives	SKU
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88535-B21
HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	P87715-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88537-B21
HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	P87717-B21

Mainstream Performance Read Intensive – PCIe/NVMe EDSFF - E3S EC1 EDSFF Self-encrypting Solid State Drives	SKU
HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	P87719-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88539-B21
HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	P87721-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88541-B21
HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	P87723-B21
HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 PQC27 Self-encrypting CD9P SSD	P88543-B21

Mainstream Performance Very Read Optimized – PCIe/NVMe EDSFF - E3S EC1 EDSFF Self-encrypting Solid State Drives	SKU
HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	P79620-B21
HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 Self-encrypting 6600 SSD	P86746-B21
HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	P79623-B21
HPE 122.8TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 Self-encrypting 6600 SSD	P86748-B21

Additional Options

Mixed Use - 12G SAS - LFF –Solid State Drives	SKU
HPE 960GB SAS 12G Mixed Use LFF LPC Value SAS Multi Vendor SSD	P37009-B21
HPE Alletra Storage Server 4XXX 1.92TB SAS Mixed Use LFF LPC Value SAS Multi Vendor SSD	S3T31A
HPE Alletra Storage Server 4XXX 3.84TB SAS Mixed Use LFF LPC Value SAS Multi Vendor SSD	S3T32A
HPE Alletra Storage Server 4XXX 1.6TB SAS Mixed Use LFF LPC Multi Vendor SSD	S3T29A
HPE Alletra Storage Server 4XXX 3.2TB SAS Mixed Use LFF LPC Multi Vendor SSD	S3T30A

Read Intensive - 6G SATA - LFF - Solid State Drives	SKU
HPE 960GB SATA 6G Read Intensive LFF LPC Multi Vendor SSD	P47808-B21

High Performance Read Intensive - NVMe - SFF - Solid State Drives	SKU
HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PM1733a SSD	P50216-B21
HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	P78808-B21
HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	P78810-B21

High Performance Mixed Use - NVMe - E3S EC1 EDSFF - Self-encrypting - Solid State Drives	SKU
HPE 6.4TB NVMe Gen6 High Performance Mixed Use E3.S EC1 PQC27 Self-encrypting 9650 SSD	P90655-B21
HPE 12.8TB NVMe Gen6 High Performance Mixed Use E3.S EC1 PQC27 Self-encrypting 9650 SSD	P90658-B21

Mainstream Performance Read Intensive – NVMe – SFF – Solid State Drives	SKU
HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD	P84242-B21
HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD	P84244-B21
HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500b SSD	P84239-B21
HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive BC U.3 Static V2 SPDM Multi Vendor SSD	P84236-B21
HPE 30.72TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 PQC27 CD9P SSD	P88533-B21

High Performance Read Intensive - NVMe - SFF - Self-encrypting FIPS - Solid State Drives	SKU
HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	P61019-B21
HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	P61027-B21
HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	P61035-B21

High Performance Read Intensive - NVMe - E3S EC1 EDSFF - Self-encrypting - Solid State Drives	SKU
HPE 7.68TB NVMe Gen6 High Performance Read Intensive E3.S EC1 PQC27 Self-encrypting 9650 SSD	P90660-B21
HPE 15.36TB NVMe Gen6 High Performance Read Intensive E3.S EC1 PQC27 Self-encrypting 9650 SSD	P90663-B21
HPE 30.72TB NVMe Gen6 High Performance Read Intensive E3.S EC1 PQC27 Self-encrypting 9650 SSD	P90665-B21

Additional Options

Mainstream Performance Mixed Use - NVMe - SFF - Solid State Drives	SKU
HPE 1.6TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 PQC27 CD9P SSD	P92309-B21
HPE 3.2TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 PQC27 CD9P SSD	P92311-B21
HPE 6.4TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 PQC27 CD9P SSD	P92313-B21

High Performance Mixed Use - NVMe - SFF - Solid State Drives	SKU
HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	P50227-B21
HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	P91237-B21
HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	P85662-B21
HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	P50230-B21
HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Static PM1755 SSD	P78801-B21
HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	P91239-B21
HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	P85664-B21
HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	P50233-B21
HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Static PM1755 SSD	P78804-B21
HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	P91241-B21
HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	P85666-B21

High Performance Mixed Use - NVMe - SFF – Self Encrypting FIPS - Solid State Drives	SKU
HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	P61043-B21
HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	P61051-B21
HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	P61059-B21

Mainstream Performance Read Intensive - NVMe - SFF – SPDM - Solid State Drives	SKU
HPE 1.92TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 PQC27 CD9P SSD	P92315-B21
HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 PQC27 CD9P SSD	P92317-B21
HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 PQC27 CD9P SSD	P92319-B21
HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 PQC27 CD9P SSD	P92321-B21

High Performance Read Intensive - NVMe - SFF – SPDM - Solid State Drives	SKU
HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	P91243-B21
HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	P85668-B21
HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	P78806-B21
HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	P91245-B21
HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	P85670-B21
HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	P91247-B21
HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	P85672-B21
HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	P91249-B21
HPE 30.72TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	P85676-B21

Additional Options

HPE Networking

100 Gigabit PCI-e Ethernet adapters	SKU
Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	P25960-B21
Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	P21112-B21

Notes: Only Direct Attached Cables (DAC) are supported when these SKUs are used.

25 Gigabit PCI-e Ethernet adapters	SKU
Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	P26264-B21
Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P26262-B21
Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P08443-B21
Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	P08458-B21
Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P42044-B21

10 Gigabit PCI-e Ethernet adapters	SKU
Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T Adapter for HPE	P26253-B21
Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ Adapter for HPE	P26259-B21

1 Gigabit PCI-e Ethernet adapters	SKU
Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T Adapter for HPE	P51178-B21
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	P21106-B21

Notes:

- All listed PCIe NICs connected via Direct Attach Cables (DAC) are supported in both 68LFF and 92LFF chassis, with or without rear drive cage kits.
- All listed PCIe 1 GbE, 10 GbE and 10/25 GbE NICs connected via Active Optical Cables (AOC) are supported in both 68LFF and 92LFF chassis, with or without rear drive cage kits.
- The PCIe NIC configurations listed above applies to a maximum 30°C ambient temperature environment.

OCP 3.0 Adapters	SKU
Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	P22767-B21
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	P08449-B21
Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter for HPE	P10097-B21
Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P10115-B21
Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P10106-B21
Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE	P26269-B21
Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE	P26256-B21
Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	P51181-B21

Notes:

- All listed OCP NICs connected via Direct Attach Cables (DAC) or Active Optical Cables (AOC) are supported in the 68LFF chassis, with or without rear drive cage kits.
- All listed OCP NICs connected via Direct Attached Cables (DAC) are supported in the 92LFF chassis, with or without rear drive cage kits.
- All listed OCP 1 GbE, 10 GbE,10/25 GbE and 100 GbE NICs connected via Active Optical Cables (AOC) are supported in the 92LFF chassis, with or without rear drive cage kits.
- The OCP NIC configurations listed above applies to a maximum 30°C ambient temperature environment.

Additional Options

Storage Offload Adapters	SKU
NVIDIA Ethernet 100Gb 2-port NVMe-oF Offload Adapter for HPE	R8M41A

Notes: Only Direct Attached Cables (DAC) are supported when these SKUs are used.

Additional Options

HPE Alletra 4140 supported configurations for Active Optical Cable (AOC) connections

Part Number	Networking Adapter Description	Card Form Factor	68LFF without rear drive cage kits	68LFF with rear drive cage kits	92LFF without rear drive cage kits	92LFF with rear drive cage kits
P08449-B21	HPE 1 GbE 4p BASE-T I350-T4 OCP3 Adptr	OCP	30C	30C	30C	30C
P51181-B21	BCM 5719 1 Gb 4p BASE-T OCP Adptr	OCP	30C	30C	30C	30C
P26256-B21	HPE Eth 10 Gb 2P SFP+ BCM57412 OCP3 Adptr	OCP	30C	30C	30C	30C
P10097-B21	HPE Eth 10 Gb 2P BaseT BCM57416 OCP3 Adptr	OCP	30C	30C	30C	30C
P10115-B21	HPE Eth 10/25 Gb 2P 631SFP28 OCP3 Adptr	OCP	30C	30C	30C	30C
P10106-B21	HPE 10/25 GbE 2P SFP28 E810 OCP3 Adptr	OCP	30C	30C	30C	30C
P42041-B21	MLX MCX6314 10/25 GbE 2p SFP28 OCP3 Adptr	OCP	30C	30C	30C	30C
P26269-B21	BCM 57504 10/25 GbE 4p SFP28 OCP3 Adptr	OCP	30C	30C	25C	30C
P22767-B21	HPE 100 GbE 2p QSFP28 E810-CQDA2 OCP3 Adptr	OCP	25C	30C	25C	30C
P21106-B21	HPE 1 GbE 4p BASE-T I350-T4 Adptr	PCIe	30C	30C	30C	30C
P51178-B21	BCM 5719 1 Gb 4p BASE-T Adptr	PCIe	30C	30C	30C	30C
P26253-B21	BCM 57416 10 GbE 2p BASE-T Adptr	PCIe	30C	30C	30C	30C
P26259-B21	HPE Eth 10 Gb 2P SFP+ BCM57412 Adptr	PCIe	30C	30C	30C	30C
P26262-B21	HPE Eth 10/25 Gb 2P SFP28 BCM57414 Adptr	PCIe	30C	30C	30C	30C
P08443-B21	HPE 10/25 GbE 2P SFP28 E810 Adptr	PCIe	30C	30C	30C	30C
P42044-B21	MLX MCX631102 10/25 GbE 2p SFP28 Adptr	PCIe	30C	30C	30C	30C
P26264-B21	BCM 57504 10/25 GbE 4p SFP28 Adptr	PCIe	30C	30C	25C	30C
P08458-B21	HPE 10/25 GbE 4p SFP28 E810-XXVDA4 Adptr	PCIe	Slot 1@25C Slot 4@20C	25C	Slot 1@25C Slot 4@20C	25C
P31246-B21	HPE 100 GbE 1p QSFP28 MCX515A-CCAT Adptr	PCIe	Slot 1@25C Slot 4@20C	25C	Slot 1@25C Slot 4@20C	25C
P25960-B21	HPE Eth 100G 2p MCX623106AS QSFP56 Adpt	PCIe	Slot 1@25C Slot 4@20C	25C	Slot 1@25C Slot 4@20C	Slot 1@25C Slot 4@20C
P21112-B21	HPE 100 GbE 2p QSFP28 E810-CQDA2 Adptr	PCIe	25C	25C	25C	25C

Additional Options

HPE Power Supplies

HPE Flexible Slot (Flex Slot) Power Supplies share a common electrical and physical design that allows for hot plug, tool-less installation into HPE ProLiant Gen10 Performance Servers. Flex Slot power supplies are certified for high-efficiency operation and offer multiple power output options, allowing users to "right-size" a power supply for specific server configurations. This flexibility helps to reduce power waste, lower overall energy costs, and avoid "trapped" power capacity in the data center.

All pre-configured servers ship with a standard 6-foot IEC C-13/C-14 jumper cord (A0K02A). This jumper cord is also included with each standard AC power supply option kit. If a different power cord is required, please check the ProLiant Power Cables web page.

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

For information on power specifications and technical content visit HPE Server power supplies

HPE Flex Slot Platinum Hot-plug Power supplies

	SKU
HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit	P03178-B21
HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	P38997-B21
HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply Kit	P44712-B21

Notes:

- Only supports high line voltage (200 VAC to 240 VAC).
- Power supplies can only be ordered as Qty = 2 or Qty = 4.

HPE 1600W Flex Slot -48VDC Hot Plug Power Supply Kit	P17023-B21
HPE Alletra Storage Server 4140 3.5m DC Power Supply Cable Kit	P80006-B21

Notes: P80006-21 is required when orderring HPE 1600 W Flex Slot -48 VDC Hot Plug Power Supply Kit (P17023-B21). One cable required per power supply.

HPE Compute Ops Management

Notes: HPE Compute Ops Management Enhanced for cloud-native management provides for management of multiple systems. Billing frequency is available as upfront payments.

Description	SKU
HPE Compute Ops Management Standard 3-year Upfront Alletra 4000 SaaS	S1E12AAE
HPE Compute Ops Management Standard 5-year Upfront Alletra 4000 SaaS	S1E13AAE
HPE Compute Ops Management Advanced 3-year Upfront Alletra 4000 SaaS	S5E63AAE
HPE Compute Ops Management Advanced 5-year Upfront Alletra 4000 SaaS	S5E64AAE

Notes: The COM Advanced SKUs also include a iLO Advanced license and support so a standalone iLO Advanced license does not need to be ordered separately.

Additional Options

Embedded Management

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

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

HPE iLO Common Password	SKU
HPE iLO Common Password FIO Setting	P08040-B21

Notes:

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

HPE Converged Infrastructure Management Software

HPE OneView Advanced (with HPE iLO Advanced)	SKU
HPE OneView including 3yr 24x7 Support Flexible Quantity E-LTU	E5Y35AAE

HPE OneView Advanced (without HPE iLO Advanced)	SKU
HPE OneView w/o iLO including 3yr 24x7 Support Track 1-server LTU	P8B25A
HPE OneView w/o iLO including 3yr 24x7 Support Flexible Quantity E-LTU	P8B26AAE

Notes:

- Licenses ship without media. The HPE OneView Media Kit can be ordered separately or can be downloaded at: https://www.HPE.com/us/en/integrated-systems/software.html.
- Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.

HPE Security

	SKU
HPE Bezel Lock Kit	875519-B21

Additional Options

HPE Smart Array Controllers

Notes: For more information on the HPE Gen11 Storage Controller, please refer to:
HPE Compute SR Gen11 Controllers QuickSpecs

Essential RAID Controllers	SKU
HPE Smart Array E208e-p SR Gen10 (8 External Lanes/No Cache) 12G SAS PCIe Plug-in Controller	804398-B21

Notes:

- This controller is used to connect external storage devices such as JBODs and tape drives to the HPE Alletra Storage Server 4140. Even though it has Gen10 in the name, it is supported in Gen11.
- For more information on the HPE Smart Array E208i-p SR Gen10 Controller, please refer to the QuickSpecs.

HPE Tri-Mode Controllers	SKU
HPE SR932i-p Gen11 x32 Lanes 8GB Wide Cache PCI SPDM Plug-in Storage Controller	P47184-B21

HPE Smart Storage Battery	SKU
HPE 96W Smart Storage Lithium-ion Battery with 145mm Cable Kit	P01366-B21
Notes: Required when more than two controllers are selected.	
HPE Smart Storage Hybrid Capacitor with 145mm Cable Kit	P02377-B21
Notes: Required when two controllers are selected and no rear cage option is selected.	
HPE 16W Smart Hybrid Capacitor with 145mm Cable	P65038-B21
Notes: Required when two controllers are selected and no rear cage option is selected.	

HPE NVMe OS Boot Device	SKU
HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device	P48183-B21
HPE NS204i-u v2 960GB NVMe Hot Plug Boot Optimized Storage Device	P81160-B21
HPE NS204i-u v2 960GB NVMe SED Hot Plug Boot Optimized Storage Device	P81162-B21

Optional Software

	SKU
HPE Smart Array SR Secure Encryption (Data at Rest Encryption/per Server Entitlement) E-LTU	Q2F26AAE

Intel VROC for HPE

Intel VROC for HPE is an enterprise, hybrid RAID solution, specifically designed for NVMe SSDs connected directly to the CPU. Intel® VROC is made possible by the new CPU feature Intel® Volume Management Device, Intel® VMD, a new hardware architecture on Intel® Xeon® Scalable Processors. Intel® VMD enhances drive performance as drives are directly connect to the Intel CPU enabling the lowest latency. Intel® VROC capitalizes on Intel® VMD for a simple software RAID solution that requires no additional hardware.

Description	SKU
Intel Virtual RAID on CPU Premium E-RTU for HPE	R7J59AAE
Intel Virtual RAID on CPU Premium FIO Software for HPE	R7J57A

Additional Options

Description	SKU
Intel Virtual RAID on CPU RAID 1 E-RTU for HPE	S3Q39AAE
Intel Virtual RAID on CPU RAID 1 FIO Software for HPE	S3Q19A

Notes: For more information on features and specifications of Intel VROC for HPE see: https://www.HPE.com/psnow/doc/a50002570enw?ver=7

HPE Storage Options

Emulex Fibre Channel HBAs	SKU
HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	R2J62A
HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	R2J63A
HPE SN1700E 64Gb 1-port Fibre Channel Host Bus Adapter	R7N77A
HPE SN1700E 64Gb 2-port Fibre Channel Host Bus Adapter	R7N78A

QLogic Fibre Channel HBAs	SKU
HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	R2E08A
HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	R2E09A
HPE SN1700Q 64Gb 1-port Fibre Channel Host Bus Adapter	R7N86A
HPE SN1700Q 64Gb 2-port Fibre Channel Host Bus Adapter	R7N87A

HPE Racking Options

Rail Kits	SKU
HPE Alletra Storage Server 4140 Rail Kit	P64970-B21
HPE Alletra Storage Server 4140 Serial Port FIO Enablement Kit	P64208-B21
HPE s6500 Chassis Handles Kit	608477-B21

Notes: SKU 608477-B21 is used when installing an HPE Alletra Storage Server 4140 in a rack and a server lift is not available. All HDDs and SSDs should be removed from server prior to lifting. The handles are removed once the server is installed.

HPE Racks

- Please see the HPE Advanced Series Racks QuickSpecs for information on additional racks options and rack specifications.
- Please see the HPE Enterprise Series Racks QuickSpecs for information on additional racks options and rack specifications.
- Please see the HPE Standard Series Racks QuickSpecs for information on additional racks options and rack specifications.

Additional Options

HPE Power Distribution Units (PDUs)

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

HPE Uninterruptible Power Systems (UPS)

To learn more, please visit the HPE Uninterruptible Power Systems (UPS) web page.

- Please see the HPE DirectFlow Three Phase Uninterruptible Power System QuickSpecs for information on these products and their specifications.
- Please see the HPE Line Interactive Single Phase UPS QuickSpecs for information on these products and their specifications.

System Unit

CTO Model	68 LFF Standard Chassis	92 LFF Extended Chassis
Dimensions (Height x Width x Depth)	175.80 x 448.00 x 860.94 mm 6.92 x 17.64 x 33.90 in	175.80 x 448.00 x 1076.94 mm 6.92 x 17.64 x 42.40 in (see note below)
The 92LFF Extended chassis depth measurement is from the back of mounting ear to the back of chassis. Consult the HPE Alletra Storage Server 4140 Setup and Installation Guide, Mechanical Specifications section, for fitment planning. Rack fitment of HPE Alletra Storage Servers is optimized for HPE G2 Series Racks, HPE rail kits, HPE cables and HPE power distribution units. Proper rack fitment of HPE Alletra Storage Servers in third-party racks using third-party racking options is the sole responsibility of the customer.		
Shipping Container Dimensions (including pallet)	611 x 625 x 1100 mm 24 x 25 x 43 in	594 x 625 x 1350 mm 23 x 25 x 53 in
Weight (approximate)		
System Maximum	117.53 kg 259.11 lb	147.47 kg 325.42 lb
Shipping Maximum:	139 kg 306 lb	181 kg 399 lb
Input Requirements (per power supply)		
Rated Line Voltage	100 to 120 VAC 200 to 240 VAC	
BTU Rating		
Maximum	– For 1800-2200 W (Titanium) Power Supply: 6497 BTU/hr (at 200 VAC), 7230 BTU/hr (at 220 VAC), 7962 BTU/hr (at 240 VAC) Rated line voltage: 200 to 240 VAC – For 1600 W (Platinum) Power Supply: 5918 BTU/hr (at 200 VAC), 5888 BTU/hr (at 220 VAC), 5884 BTU/hr (at 240 VAC) Rated line voltage: 200 to 240 VAC – For 1000 W (Titanium) Power Supply: 3753 BTU/hr (at 100 VAC), 3620 BTU/hr (at 200 VAC), 3605 BTU/hr (at 240 VAC) Rated line voltage: 100 to 120 VAC/ 200 to 240 VAC	– For 1800-2200 W (Titanium) Power Supply: 6497 BTU/hr (at 200 VAC), 7230 BTU/hr (at 220 VAC), 7962 BTU/hr (at 240 VAC) Rated line voltage: 200 to 240 VAC – For 1600 W (Platinum) Power Supply: 5918 BTU/hr (at 200 VAC), 5888 BTU/hr (at 220 VAC), 5884 BTU/hr (at 240 VAC) Rated line voltage: 200 to 240 VAC – For 1000 W (Titanium) Power Supply: 3753 BTU/hr (at 100 VAC), 3620 BTU/hr (at 200 VAC), 3605 BTU/hr (at 240 VAC) Rated line voltage: 100 to 120 VAC/ 200 to 240 VAC
Power Supply Output (per power supply)		
Rated Steady-State Power	For 1800-2200 W Power Supply: 2200 W (at 240 VAC) For 1600 W Power Supply: 1600 W (at 240 VAC) For 1000 W Power Supply: 1000 W (at 120 or 240 VAC)	

Technical Specifications

CTO Model	68 LFF Standard Chassis	92 LFF Extended Chassis
Maximum Peak Power	For 1800-2200 W Power Supply: 2200 W (at 200 to 240 VAC) For 1600 W Power Supply: 1600 W (at 200 to 240 VAC) or 1000 W Power Supply: 1000 W (at 120 or 240 VAC)	
System Inlet Temperature		
Standard Operating Support	10° to 35°C (50° to 95°F) at sea level with an altitude derating of 1.0°C per every 305 m (1.8°F per every 1000 ft) above sea level to a maximum of 3050 m (10,000 ft), no direct sustained sunlight. Maximum rate of change is 20°C/hr (36°F/hr). The upper limit and rate of change may be limited by the type and number of options installed. System performance during standard operating support may be reduced if operating with a fan fault or above 30°C (86°F). For approved hardware configurations, the supported system inlet range is extended to be: 5° to 10°C (41° to 50°F) and 35° to 40°C (95° to 104°F) at sea level with an altitude derating of 1.0°C per every 175 m (1.8°F per every 574 ft) above 900 m (2953 ft) to a maximum of 3050 m (10,000 ft). The approved hardware configurations for this system are listed at the URL: http://www.HPE.com/servers/ashrae	
Relative Humidity (non-condensing)		
Operating	8% to 90% - Relative humidity (Rh), 28°C maximum wet bulb temperature, non-condensing.	
Non-operating	5 to 95% relative humidity (Rh), 38.7°C (101.7°F) maximum wet bulb temperature, non-condensing.	
Altitude		
Operating	3050 m (10,000 ft). This value may be limited by the type and number of options installed. Maximum allowable altitude change rate is 457 m/min (1500 ft/min).	
Non-operating	9144 m (30,000 ft). Maximum allowable altitude change rate is 457 m/min (1500 ft/min).	
Acoustic Noise		
Listed are the declared mean A-Weighted sound power levels (LWA,m), declared average bystander position A-Weighted sound pressure levels (LpAm) and the statistical adder for verification, Kv, a quantity to be added to the declared mean A-weighted sound power level when the product is operating in a 23°C ambient environment. Noise emissions were measured in accordance with ISO 7779 (ECMA 74) and declared in accordance with ISO 9296 (ECMA 109). The listed sound levels apply to standard shipping configurations. Additional options may result in increased sound levels. Please have your HPE representative provide information from the HPE EMESC website for further technical details regarding the configurations listed below.		

Configuration SKU	Entry	Typical	Performance
Idle			
LWA,m	6.8 B	6.8 B	6.8 B
LpAm	TBD dBA	TBD dBA	TBD dBA
Kv	0.4 B	0.4 B	0.4 B
Operating			
LWA,m	7.7 B	7.4B	7.3 B
LpAm	62 dBA	59 dBA	61 dBA
Kv	0.4 B	0.4 B	0.4 B
Notes: Acoustic levels presented here are generated by the test configuration only. Acoustic levels will vary depending on system configuration. Values are subject to change without notification and are for reference only.			

Emissions Classification (EMC)

To view the regulatory information for your product, view the Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products, available at the Hewlett Packard Enterprise Support Center: http://www.HPE.com/support/Safety-Compliance-EnterpriseProducts

---

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

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

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise web site**.** These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

TCO Certified

The HPE Alletra Storage Server 4140 has been TCO Certified. All HPE TCO Certified products can be found on: TCO Certified Product Finder.

More information on TCO Certified can be downloaded here: https://www.HPE.com/us/en/about/environment/eco-labels.html

---

Summary of Changes

Date	Version History	Action	Description of Change
02-Nov-2026	Version 29	Added	New option SKUs added - P88227-B21, P80577-B21, P68583-B21, P53553-B21, P23608-B21, 881781-B21, 834031-B21, 833928-B21, P88229-B21, P80578-B21, P91229-B21, P85739-B21, P91231-B21, P91233-B21, P85745-B21, P91098-B21, P85731-B21, P91100-B21, P85733-B21, P91102-B21, P85735-B21, P85121-B21, P91090-B21, P85124-B21, P91092-B21, P85126-B21, P91094-B21, P91096-B21, P85128-B21, P85114-B21, P91084-B21, P85117-B21, P91086-B21, P85119-B21, P91088-B21, P79615-B21, P87715-B21, P87717-B21, P87719-B21, P87721-B21, P87723-B21, P79620-B21, P79623-B21, P78808-B21, P78810-B21, P90655-B21, P90658-B21, P84236-B21, P90660-B21, P90663-B21, P90665-B21, P91237-B21, P85662-B21, P91239-B21, P85664-B21, P91241-B21, P85666-B21, P91243-B21, P85668-B21, P91245-B21, P85670-B21, P91247-B21, P85672-B21, P91249-B21, P85676-B21
		Removed	Obsolete or not supported SKUs removed - P57799-B21, P57807-K21, P70392-K21, P70395-K21, P70397-K21, P70399-K21, P70401-K21, P70403-K21, P77269-K21, P77273-K21, P77275-K21, P77262-K21, P77265-K21, P77267-K21, P70434-K21, P70436-K21, P70426-K21, P70428-K21, P49040-B21
05-Oct-2026	Version 28	Added	New option SKUs added - P86016-K21, P86018-K21, P86020-K21, P88535-K21, P88537-K21, P86024-K21, P86026-K21, P86028-K21, P86030-K21, P86032-K21, P88533-K21, P88539-K21, P88541-K21, P88543-K21, P86746-K21, P86748-K21, P92315-K21, P92317-K21, P92319-K21, P92321-K21, P64999-K21, P65007-K21, P92309-K21, P65015-K21, P92311-K21, P65023-K21, P92313-K21, P63845-K21, P50233-K21
03-Aug-2026	Version 27	Changed	Updated the Operating Systems and Virtualization Software section with newly supported operating systems and hypervisors, including Windows Server 2025, RHEL 10.0, SLES 16, VMware 9.0 and VMware 9.1
		Added	– Added HPE NS204i-u v2 960GB NVMe SED Hot Plug Boot Optimized Storage Device (P81162-B21). – Added support information for the HPE NS204i-u v2 960GB boot optimized storage device family within Standard Features and Core Options New SKUs added - P78789-K21, P78791-K21, P78793-K21
		Removed	Obsolete or not supported SKUs removed - P50219-K21, P50222-K21
04-May-2026	Version 26	Changed	Minor wording and format updates were performed.
06-Apr-2026	Version 25	Changed	Configuration Information and Core Options sections were updated. Main changes: – Notes for Memory Options were added to clarify compatibility.
		Added	New SKUs added - P78784-K21, P78787-K21, P78801-K21, P78804-K21, P78806-K21

Summary of Changes

Date	Version History	Action	Description of Change
02-Mar-2026	Version 24	Added	Added new Smart Array option: HPE 16W Smart Hybrid Capacitor with 145 mm Cable (SKU: P65038-B21), including usage note for configurations with two controllers and no rear cage option.
		Removed	Obsolete boot-optimized storage devices removed, including: HPE 480 GB, 960 GB, and 1.92 TB NVMe Gen3 Mainstream Performance Read Intensive M.2 SSDs (SKUs: P40513-B21, P40514-B21, P40515-B21). Obsolete HDD options removed from the HPE Drives section, including: – 18 TB, 10 TB, 6 TB, and 2 TB SAS HDDs. – 6 TB SATA HDD. (SKUs: P37669-K21, P53556-K21, 861746-K21, 833926-K21, 861742-K21). Obsolete SSD removed from SSD Selection: – HPE 7.68 TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD (SKU: P57803-K21). InfiniBand section removed, including adapter, SKU, and notes related to the HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 Adapter (SKU: P23666-B21).
05-Jan-2026	Version 23	Changed	Updated multiple sections for clarity and consistency. Revised processor, memory, boot device, drive, SSD, networking, InfiniBand, power supply, and Smart Array controller option descriptions to align with HPE naming standards and editorial guidelines.
01-Dec-2025	Version 22	Added	New Smart Array Controller option added: HPE 16 W Smart Hybrid Capacitor (SKU: P65038-B21).
		Removed	Obsolete drive removed: HPE 10 TB SATA 6G Business Critical HDD (SKU: P53557-K21).
10-Nov-2025	Version 21	Added	New SKU was added under High Performance Read Intensive - NVMe - SFF - Solid State Drives: P84239-K21
13-Oct-2025	Version 20	Changed	Two new boot-optimized storage devices were added to the Overview section.
		Added	P81160-B21, P81162-B21
		Removed	P77050-K21, P77053-K21, P77055-K21, P77057-K21, P77059-K21, P77061-K21, P78914-K21, P78917-K21, P78919-K21, P78921-K21, P77271-K21, P79965-K21, P79618-K21. – Obsolete SKUs removed - P23664-B21, P31324-B21
18-Aug-2025	Version 19	Changed	Standard Features section was updated – Windows Server 2025 was added as Operating System / Virtualization System available. Additional Options section was updated – HPE Alletra 4140 supported configurations for Active Optical Cable (AOC) connections information was updated.
04-Aug-2025	Version 18	Changed	Additional Options section was updated

Summary of Changes

Date	Version History	Action	Description of Change
28-Jul-2025	Version 17	Changed	Survey link updated
05-May-2025	Version 16	Changed	Core Options section was updated Obsolete SKU removed - E5Y34A / P8B24A
07-Apr-2025	Version 15	Changed	Overview, Standard Features Configuration Information and Core Options and Additional Options sections were updated
03-Feb-2025	Version 14	Changed	Core Options section was updated Obsolete SKU removed - P37678-K21
06-Jan-2025	Version 13	Changed	Core Options section was updated Obsolete SKU removed - P31246-B21
18-Nov-2024	Version 12	Changed	Core Options and Additional Options sections were updated
04-Nov-2024	Version 11	Changed	Obsolete SKU removed - P56585-K21
07-Oct-2024	Version 10	Changed	Overview, Standard Features Configuration Information and Core Options sections were updated
03-Sep-2024	Version 9	Changed	Overview, Standard Features Configuration Information and Core Options sections were updated
05-Aug-2024	Version 8	Changed	Configuration Information and Core Options sections were updated
01-Jul-2024	Version 7	Changed	Core Options section was updated
20-May-2024	Version 6	Changed	Configuration Information and Core Options sections were updated
06-May-2024	Version 5	Changed	Overview, Standard Features Configuration Information and Core Options sections were updated Obsolete SKUs removed
18-Mar-2024	Version 4	Changed	Configuration Information and Core Options sections were updated
04-Mar-2024	Version 3	Changed	Overview and Core Options sections were updated
08-Jan-2024	Version 2	Changed	Overview, Standard Features and Configuration Information sections were updated
04-Dec-2023	Version 1	New	New QuickSpecs

Copyright

Have feedback on QuickSpecs? We're listening

Chat now

© Copyright 2026 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Intel® and Xeon® are registered trademarks of Intel Corporation in the U.S. and other countries.
Microsoft®, Windows®, and Windows Server® are U.S. registered trademarks of the Microsoft group of companies.

For hard drives, 1 GB = 1 billion bytes. Actual formatted capacity is less due to system requirements

a50007017enw - 17127 - Worldwide - V29 - 02-November-2026
HEWLETT PACKARD ENTERPRISE
HPE.com