Overview

Have feedback on QuickSpecs? We're listening

HPE Solid State Disk Drives QuickSpecs

HPE Solid State Drives (SSDs) and M.2s are based upon industry-leading NAND Flash technology, which delivers exceptional performance and endurance to support a broad and growing spectrum of demanding applications with varying workload performance requirements.

These storage devices provide lower I/O latency and higher power efficiency compared to traditional HDDs. They fit seamlessly into existing HPE server and storage infrastructures.

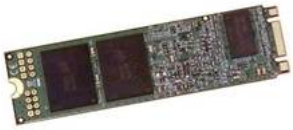
HPE Solid State Disk Drives

(SSD and M.2s)

HPE Solid State Disk Drives are available in a number of form factors, including Small Form Factor (SFF), Large Form Factor (LFF), Enterprise and Datacenter Standard Form Factor (EDSFF) E3, and M.2.



E3.S Thin Carrier (EC1)



M.2



Smart Carrier NVMe (SCN)



Smart Carrier (SC)



Basic Carrier (BC)



Low Profile Converter (LPC)

What's New?

– New Solid-State Drives and Drive Option Kits:

- P85668-B21 HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD
- P85670-B21 HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD
- P85672-B21 HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD
- P85674-B21 HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD
- P85676-B21 HPE 30.72TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD
- P85662-B21 HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD
- P85664-B21 HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD
- P85666-B21 HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD
- P85739-B21 HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD
- P85741-B21 HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD
- P85743-B21 HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD
- P85745-B21 HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD
- P85731-B21 HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD
- P85733-B21 HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD
- P85735-B21 HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD
- P85121-B21 HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD
- P85124-B21 HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD
- P85126-B21 HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD
- P85128-B21 HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD
- P85114-B21 HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD
- P85117-B21 HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD
- P85119-B21 HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD
- P87719-B21 HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD
- P87721-B21 HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD
- P87723-B21 HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD
- P87715-B21 HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD
- P87717-B21 HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD

HPE Solid State Drive Selector Tool

A web-based tool that dramatically reduces the time and complexity of selecting the right SSD for your demanding workloads.
https://ssd.hpe.com

Dramatically reduces the time to select the right SSD for your HPE Server
- – Recommends the most appropriate SSDs for specific customer workloads
- – Reduces selection time and eliminates complexity, sort by server model, price, and performance
- – Ideal for customers, HPE Sales, and HPE channel partners
- – Simple, web-based tool; user-friendly interface

Firmware Updates

HPE digitally signed firmware prevents unauthorized access to your data by providing security and assurance that drive firmware comes from a trusted source and protects against malicious attacks. Digitally Signed Firmware is indicated by "DS" in the SKU description of older SKUs. All SSDs in the HPE main portfolio of SKU have digitally signed firmware unless otherwise noted, particularly in newer released SKU (even if DS does not appear in the description), Digitally Signed Firmware can be confirmed in the capacity/workload tables by SKU number.

For advanced data protection and encryption, customers should consider HPE Self-Encrypting Drives (SED). Read more about it here: SED Link.

Our Solid-State product categories include Solid State Drives, or SSDs

We define enterprise-class as products that include full data path error detection and surprise power loss protection. In addition, our SSDs have HPE SmartSSD Wear Gauge support, which provides diagnostic information and reports on the health of any given drive.

HPE Enterprise SSDs are available in three categories based on the customer's application and workload level: Very-read-optimized (VRO), Read Intensive (RI), and Mixed Use (MU). These categories indicate the number of drive writes per day (DWPD) that you can expect from the drive. (DWPD is the maximum number of 4K host writes to the entire drive capacity of the SSD per day over a five-year period).

Workloads such as Read caching, Web Servers, social media, and Boot are more Read Performance driven. Workloads such as Business Intelligence, Big Data Analytics, Virtualization tend to be more Write Performance driven.

For best access to SSDs, HPE has enhanced its extensive SSD portfolio with a multi-vendor offering. HPE multi-vendor portfolio utilizes specific vendor SSDs which are HPE qualified and released and are then bundled into a multi-sourced SKU per capacity. Identified by Multi-Vendor (MV) in the SKU description, these multi-vendor SKUs provide the shortest lead time SSDs, more favorable pricing than single-sourced SKUs and are assured to meet or exceed the minimum performance specifications and power requirements published in this HPE QuickSpecs document per capacity SKU number.

HPE's multi-vendor SSD offering helps customers simplify their purchasing decisions by providing immediate availability, preferable pricing and SKU longevity on HPE certified SSDs.

HPE SATA SSDs deliver enterprise features at an affordable price in HPE servers. Entry-level pricing fuels the rapid adoption of SSDs for read-intensive workloads, with the cost per IOPS comparing favorably to HDDs.

For customers looking to step up from SATA SSDs, HPE single-port Value SAS SSDs offer a significant performance boost over SATA SSDs with roughly twice the IOPS and are typically lower in cost than traditional SAS SSD drives.

HPE full-performance SAS SSDs allow greater I/O bandwidth for superior performance over Value SAS SSDs, providing high write performance and endurance. They are best suited for mission-critical enterprise environments with workloads high in read and writes.

For customers looking for even more performance, HPE offers a portfolio of NVMe SSDs. HPE Mainstream Performance NVMe SSDs are advanced data center drives optimized for greater performance and endurance in a cost-effective design. HPE High Performance NVMe SSDs are positioned to deliver high performance and low latency. HPE High Performance Low Latency NVMe SSDs are a category of drives that offers a combination of high throughput, low latency, and ultra-high endurance. The first HPE SSDs using 3D XPoint technology*, these SSDs are optimized to break through data access bottlenecks by providing a new data storage tier. High Performance Low Latency NVMe SSDs accelerate applications for fast caching and fast storage to increase scale per server and reduce transaction costs for latency sensitive workloads.

Using the above information along with our HPE SSD Selector Tool at https://ssd.hpe.com you can quickly determine what SSD solution might best meet your needs. You can also compare specific capacity, performance attributes, and server compatibility.

XXXXXX-B21 is SKU designation formed by a common six-digit part number that identifies a SKU that is offered from Compute but also available across multiple server family lines. Refer to the table below to find the SKU suffix that applies to the specific server product line this option can be ordered with.

-B21	-H21	-K21
Compute Server Line	Specialized Compute Server Line	Storage Line
HPE ProLiant DL20/DL160/DL180 Servers HPE ProLiant DL320/DL340/DL360/DL380/ /DL560/DL580 Servers HPE ProLiant DL325/DL345/DL365/DL385 Servers HPE ProLiant MicroServer HPE ProLiant ML30/ML110/ML350 Servers HPE Synergy 480 Systems		HPE Apollo 4000 Systems HPE Alletra 4000 Server HPE D3000 Disk Enclosures
Disclaimer: This may not be a complete listing of applicable servers		

Standard Features

What is SSD?

An enduring data storage device utilizing NAND (negative-AND) semiconductor technology to store and access data which is volatile without the aid of an auxiliary power source.

SSD Quality

Today's businesses are seeing larger, more complex applications, coupled with an increasing amount of mission-critical and transaction processing data demand. In this environment, storage has become a critical component, significantly defining requirements for both systems' reliability and performance. This is why HPE drives undergo a rigorous qualification process to ensure functionality and eliminate firmware and O/S incompatibilities.

Integration

Many issues customers have with third-party drives are "simple" integration issues. When buying from another supplier, there is no guarantee that a drive has been correctly set for proper operation with ProLiant servers and storage systems. These incompatibilities can create problems in configuration, can rob your system of performance, or at their worst, can cause you to lose data. HPE drives are specifically designed and tested for flawless operation in your HPE equipment. The integration of solid-state drives in HPE systems means that associated components are right for your ProLiant server.

Support Matrix

Refer to the following URL for the latest list of supported servers and enclosures:
https://www.hpe.com/us/en/servers.html
Notes: Non-hot plug devices are 15 mm Z-height, which restricts them to those servers that can accept a 15 mm device.

Product Category

HPE Enterprise SSDs are available in three categories based on workload level: Very-read-optimized (VRO), Read Intensive (RI), and Mixed Use (MU). The categories indicate the number of drive writes per day (DWPD) that you can expect from the drive. (DWPD is the maximum number of 4K host writes to the entire drive capacity of the SSD per day over a five-year period).

Maximum Usage Limitations

NAND Flash devices use semiconductor technology that has a finite amount of data that can be written to the device, defined as the Maximum Usage Limit, commonly called "Write Endurance". Write Endurance - is measured while running 100% random 4KiB writes across the entire SSD.

Drive Writes Per Day (DWPD) - Workload environment is based on 100% random 4KiB writes for five (5) years, which is the maximum amount of data that can be written to the device before reaching the device's write endurance limit.

HPE Solid State Drives (SSDs) are equipped with tools that can report the amount of lifetime remaining. Introducing HPE SMARTSSD Wear Gauge™. To take advantage of SMARTSSD Wear Gauge™, Smart Array Firmware version 5.0 or greater is required and HPE Array Configuration Utility (ACU) or HPE Diagnostic Utility (ADU) must be running.

Simple Network Management Protocol (SNMP) Storage Agents for both Microsoft® Windows® and Linux provide status and condition updates through traps, OS event logs and the HPE System Management Homepage:
https://www.hpe.com/us/en/product-catalog/detail/pip.hp-system-management-homepage-software.344313.html

The HPE SMARTSSD Wear Gauge™ requires a Smart Array or Smart HBA controller listed below:

- – HPE Smart Array PX1X Controller Series or newer
- – HPE Smart HBA PX4X Controller Series
- – HPE Dynamic Smart Array BX2Xi Controller Series or newer
- – HPE Dynamic Smart Array B320i Controller

Notes: HPE Direct Connect to the HPE Smart Array B110i SATA RAID Controller is not currently supported by the above noted tool.

Data Retention

Data Retention is the period of time for retaining the data in the NAND once the maximum rated endurance level has occurred. These SSDs are rated for 3 months if no power is applied once the SSD has reached maximum rated write endurance.

Warranty

SSD & AIC Standard 3/0/0 warranty; Customer Self Repair (CSR) subject to maximum usage limitations. Maximum usage limit: This is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for warranty coverage.
Notes: In cases where an M.2 SSD is used in conjunction with a Server Cartridge the Warranty includes 3-Year Parts, 3-Year Labor, 3-Year (3/3/3) Onsite support for that option only.

Technical Specifications

SATA Capacity, Workload and Carrier Specifications

SATA Interface - (Capacity, Workload, Carrier...)											
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)	Flash Type	Port	Server Gen Supported (Select Platforms)
Mixed Use SATA Drives											
Mixed Use SATA Self-Encrypting Drives (SED)											
P58244-B21	HPE 960GB SATA 6G Mixed Use SFF BC Self-encrypting 5400M SSD	960	MU	SATA	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10, 10 Plus, 11
Read Intensive SATA Drives											
Read Intensive SATA Self-Encrypting Drives (SED)											
P58236-B21	HPE 480GB SATA 6G Read Intensive SFF BC Self-encrypting 5400P SSD	480	RI	SATA	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10, 10 Plus, 11
Very-read-optimized SATA Drives											

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.com to determine server compatibility.

SATA Speeds and Feeds Specifications

SATA Interface - (Speeds & Feeds)							
HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Through-put (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	MAX Random Read / MAX Random Write IOPS (4KiB)
Mixed Use SATA Drives							
Mixed Use SATA Self-Encrypting Drives (SED)							
P58244-B21	HPE 960GB SATA 6G Mixed Use SFF BC Self-encrypting 5400M SSD	8,760	5.00	516 / 494	111 / 37	71,652 / 52,194	76,811@32 / 53,103@4
Read Intensive SATA Drives							
Read Intensive SATA Self-Encrypting Drives (SED)							
P58236-B21	HPE 480GB SATA 6G Read Intensive SFF BC Self-encrypting 5400P SSD	1,324	1.50	515 / 449	111 / 38	73,183 / 45,284	79,702@128 / 47,820@4
Very-read-optimized SATA Drives							

SATA Power and Height Specifications

SATA Interface - (Power & Height)									
HPE Option Kit SKU	Long Description	Power Idle Time (Watts)	Power Random Read (Watts)	Power Random Write (Watts)	Power Sequential Read (Watts)	Power Sequential Write (Watts)	Power Random R/W (Watts)	Power MAX (Watts)	z-Height
Read Intensive SATA Drives									
Mixed Use SATA Self-Encrypting Drives (SED)									
P58244-B21	HPE 960GB SATA 6G Mixed Use SFF BC Self-encrypting 5400M SSD	1.5	3.9	3.9	3.1	4.1	2.15	4.1	7 mm
Read Intensive SATA Self-Encrypting Drives (SED)									
P58236-B21	HPE 480GB SATA 6G Read Intensive SFF BC Self-encrypting 5400P SSD	1.5	3.5	3.5	3.15	3.75	2.15	3.75	7 mm
Very-read-optimized SATA Drives									

SATA Certifications

– Prequalified certification will be listed in the HPE Selector Tool https://ssd.hpe.com
– For latest vSAN Compatibility, please visit Broadcom vSAN SSD Compatibility Guide and enter specific HPE Part Number to confirm compatibility.
– For latest Windows OS Certification and SDDC (Software Defined Data Center) Premium AQ Certification please visit https://www.windowsservercatalog.com and enter specific HPE Model Number to confirm compatibility.

SATA Capacity, Workload, Carrier Specifications MULTI VENDOR

SATA Interface - (Capacity, Workload, Carrier...) MULTI VENDOR											
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)	Flash Type	Port	Server Gen Supported (Select Platforms)
Mixed Use Multi Vendor SATA Drives											
P18432-X21	HPE 480GB SATA 6G Mixed Use SFF SC Multi Vendor SSD	480	MU	SATA	SFF	Hot Plug	SC	Yes	TLC	Single	Gen10, 10 Plus
P18434-X21	HPE 960GB SATA 6G Mixed Use SFF SC Multi Vendor SSD	960	MU	SATA	SFF	Hot Plug	SC	Yes	TLC	Single	Gen10, 10 Plus
P18436-X21	HPE 1.92TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	1,920	MU	SATA	SFF	Hot Plug	SC	Yes	TLC	Single	Gen10, 10 Plus
P18438-X21	HPE 3.84TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	3,840	MU	SATA	SFF	Hot Plug	SC	Yes	TLC	Single	Gen10, 10 Plus
P40502-B21	HPE 480GB SATA 6G Mixed Use SFF BC Multi Vendor SSD	480	MU	SATA	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11
P40503-B21	HPE 960GB SATA 6G Mixed Use SFF BC Multi Vendor SSD	960	MU	SATA	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11
P40504-B21	HPE 1.92TB SATA 6G Mixed Use SFF BC Multi Vendor SSD	1,920	MU	SATA	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11
P40505-B21	HPE 3.84TB SATA 6G Mixed Use SFF BC Multi Vendor SSD	3,840	MU	SATA	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11

Read Intensive Multi Vendor SATA Drives											
P18420-X21	HPE 240GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	240	RI	SATA	SFF	Hot Plug	SC	Yes	TLC	Single	Gen10, 10 Plus
P18422-X21	HPE 480GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	480	RI	SATA	SFF	Hot Plug	SC	Yes	TLC	Single	Gen10, 10 Plus
P18424-X21	HPE 960GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	960	RI	SATA	SFF	Hot Plug	SC	Yes	TLC	Single	Gen10, 10 Plus
P18426-X21	HPE 1.92TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	1,920	RI	SATA	SFF	Hot Plug	SC	Yes	TLC	Single	Gen10, 10 Plus

SATA Capacity, Workload, Carrier Specifications MULTI VENDOR

SATA Interface - (Capacity, Workload, Carrier...) MULTI VENDOR					
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor
Mixed Use Multi Vendor SATA Drives					
P18428-X21	HPE 3.84TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	3,840	RI	SATA	SFF
P18430-X21	HPE 7.68TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	7,680	RI	SATA	SFF
P40497-B21	HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	480	RI	SATA	SFF
P40498-B21	HPE 960GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	960	RI	SATA	SFF
P40499-B21	HPE 1.92TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	1,920	RI	SATA	SFF
P40500-B21	HPE 3.84TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	3,840	RI	SATA	SFF
P40501-B21	HPE 7.68TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	7,680	RI	SATA	SFF
P47808-B21	HPE 960GB SATA 6G Read Intensive LFF LPC Multi Vendor SSD	960	RI	SATA	LFF
P65272-B21	HPE 480GB SATA 6G Read Intensive SFF RW Multi Vendor SSD	480	RI	SATA	SFF

Notes:

– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.

– Please use HPE Selector Tool https://ssd.hpe.com to determine server compatibility.

– Multi-vendor SKUs are composed of numerous vendors manufactured SSDs within a given SATA capacity SKU. When ordering a particular SKU-B21 number the customer will receive a homogenous set of

SATA Speeds and Feeds Specifications MULTI VENDOR

SATA Interface - (Speeds & Feeds) MULTI VENDOR							
HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Through-put (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	MAX Random Read / MAX Random Write IOPS (4KiB)
Mixed Use Multi Vendor SATA Drives							
P18432-X21	HPE 480GB SATA 6G Mixed Use SFF SC Multi Vendor SSD	2,628	3.0	510 / 430	125 / 52	62,000 / 29,000	72,000@Q32 / 29,000@Q4
P18434-X21	HPE 960GB SATA 6G Mixed Use SFF SC Multi Vendor SSD	5,256	3.0	516 / 480	125 / 50	61,000 / 31,000	72,000@Q32 / 31,000@Q4
P18436-X21	HPE 1.92TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	10,000	3.0	516 / 480	125 / 52	59,000 / 31,000	71,000@Q32 / 31,000@Q4
P18438-X21	HPE 3.84TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	21,024	3.0	512 / 480	140 / 76	59,000 / 32,000	69,000@Q32 / 32,500@Q32
P40502-B21	HPE 480GB SATA 6G Mixed Use SFF BC Multi Vendor SSD	2,628	3.0	510 / 430	125 / 52	62,000 / 29,000	72,000@Q32 / 29,000@Q4
P40503-B21	HPE 960GB SATA 6G Mixed Use SFF BC Multi Vendor SSD	5,256	3.0	516 / 480	125 / 50	61,000 / 31,000	72,000@Q32 / 31,000@Q4
P40504-B21	HPE 1.92TB SATA 6G Mixed Use SFF BC Multi Vendor SSD	10,000	3.0	516 / 480	125 / 52	59,000 / 31,000	71,000@Q32 / 31,000@Q4
P40505-B21	HPE 3.84TB SATA 6G Mixed Use SFF BC Multi Vendor SSD	21,024	3.0	510 / 480	140 / 76	59,000 / 32,000	70,000@Q32 / 35,000@Q4
Read Intensive Multi Vendor SATA Drives							
P18420-X21	HPE 240GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	438	1.0	400 / 235	124 /61	44,000 / 16,000	45,000@Q16 / 10,500@Q1
P18422-X21	HPE 480GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	700	0.8	510 / 395	125 / 53	63,000 / 25,000	73,000@Q32 / 25,000@Q1
P18424-X21	HPE 960GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	1,400	0.8	506 / 480	125 / 53	63,000 / 29,000	73,000@Q32 / 29,000@Q4
P18426-X21	HPE 1.92TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	2,800	0.8	519 / 470	125 / 60	55,500 / 24,000	56,000@Q32 / 25,000@Q32
P18428-X21	HPE 3.84TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	5,256	0.8	503 / 480	125 / 65	63,000 / 22,500	72,000@Q32 / 23,000@Q1
P18430-X21	HPE 7.68TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	9,111	0.7	505 / 480	126 / 87	65,000 / 11,500	57,000@Q32 / 10,000@Q1
P40497-B21	HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	700	0.8	510 / 395	125 / 53	63,000 / 25,000	73,000@Q32 / 25,000@Q1
P40498-B21	HPE 960GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	1,400	0.8	506 / 480	125 / 53	63,000 / 29,000	73,000@Q32 / 29,000@Q4
P40499-B21	HPE 1.92TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	2,400	0.8	519 / 470	125 / 60	55,500 / 24,000	56,000@Q32 / 25,000@Q32
P40500-B21	HPE 3.84TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	5,256	0.8	503 / 480	125 / 65	63,000 / 22,500	72,000@Q32 / 23,000@Q1
P40501-B21	HPE 7.68TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	9,111	0.7	505 / 480	126 / 87	65,000 / 11,500	73,000@Q32 / 11,800@Q64
P47808-B21	HPE 960GB SATA 6G Read Intensive LFF LPC Multi Vendor SSD	1,400	0.8	506 / 480	125 / 53	63,000 / 29,000	73,000@Q32 / 29,000@Q4
P65272-B21	HPE 480GB SATA 6G Read Intensive SFF RW Multi Vendor SSD	876	1.0	515 / 449	111 / 38	68,000 / 29,000	77,000@Q32 / 29,000@Q4

SATA Power and Height Specifications MULTI VENDOR

SATA Interface - (Power & Height) MULTI VENDOR									
HPE Option Kit SKU	Long Description	Power Idle Time (Watts)	Power Random Read (Watts)	Power Random Write (Watts)	Power Sequential Read (Watts)	Power Sequential Write (Watts)	Power Random R/W (Watts)	Power MAX (Watts)	z-Height
Mixed Use Multi Vendor SATA Drives									
P18432-X21	HPE 480GB SATA 6G Mixed Use SFF SC Multi Vendor SSD	1.50	3.55	3.55	3.56	4.00	2.94	5.00	7 mm
P18434-X21	HPE 960GB SATA 6G Mixed Use SFF SC Multi Vendor SSD	1.50	3.90	3.90	3.10	4.10	2.81	5.00	7 mm
P18436-X21	HPE 1.92TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	1.50	3.90	3.90	3.20	4.10	3.04	5.00	7 mm

SATA Interface - (Power & Height) MULTI VENDOR									
HPE Option Kit SKU	Long Description	Power Idle Time (Watts)	Power Random Read (Watts)	Power Random Write (Watts)	Power Sequential Read (Watts)	Power Sequential Write (Watts)	Power Random R/W (Watts)	Power MAX (Watts)	z-Height
P18438-X21	HPE 3.84TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	1.50	4.50	4.50	3.66	4.39	3.17	5.00	7 mm
P40502-B21	HPE 480GB SATA 6G Mixed Use SFF BC Multi Vendor SSD	1.50	3.55	3.55	3.56	4.00	2.94	5.00	7 mm
P40503-B21	HPE 960GB SATA 6G Mixed Use SFF BC Multi Vendor SSD	1.50	3.90	3.90	3.10	4.10	2.81	5.00	7 mm
P40504-B21	HPE 1.92TB SATA 6G Mixed Use SFF BC Multi Vendor SSD	1.50	3.90	3.90	3.20	4.10	3.04	5.00	7 mm
P40505-B21	HPE 3.84TB SATA 6G Mixed Use SFF BC Multi Vendor SSD	1.50	4.50	4.50	3.66	4.39	3.17	5.00	7 mm
Read Intensive Multi Vendor SATA Drives									
P18420-X21	HPE 240GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	1.50	3.05	3.05	3.00	3.50	2.10	5.00	7 mm
P18422-X21	HPE 480GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	1.50	3.50	3.50	3.15	3.75	2.54	5.00	7 mm
P18424-X21	HPE 960GB SATA 6G Read Intensive SFF SC Multi Vendor SSD	1.50	4.05	4.05	3.10	4.00	2.66	5.00	7 mm
P18426-X21	HPE 1.92TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	1.50	4.10	4.10	3.16	4.00	3.15	5.00	7 mm
P18428-X21	HPE 3.84TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	1.50	4.10	4.10	3.56	4.25	3.46	5.00	7 mm
P18430-X21	HPE 7.68TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	1.54	2.99	2.99	2.46	3.55	2.99	3.55	7 mm
P40497-B21	HPE 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	1.50	3.50	3.50	3.15	3.75	2.54	5.00	7 mm
P40498-B21	HPE 960GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	1.50	4.05	4.05	3.10	4.00	2.66	5.00	7 mm
P40499-B21	HPE 1.92TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	1.50	4.10	4.10	3.16	4.00	3.15	5.00	7 mm
P40500-B21	HPE 3.84TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	1.50	4.10	4.10	3.56	4.25	3.46	5.00	7 mm
P40501-B21	HPE 7.68TB SATA 6G Read Intensive SFF BC Multi Vendor SSD	1.54	2.99	2.99	2.46	3.55	2.99	3.55	7 mm
P47808-B21	HPE 960GB SATA 6G Read Intensive LFF LPC Multi Vendor SSD	1.50	4.05	4.05	3.10	4.00	2.66	5.00	7 mm
P65272-B21	HPE 480GB SATA 6G Read Intensive SFF RW Multi Vendor SSD	1.50	3.50	3.50	3.15	3.75	2.45	5.00	7 mm

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.com to determine server compatibility.
– Multi-vendor SKUs are composed of numerous vendors manufactured SSDs within a given SATA capacity SKU. When ordering a particular SKU-B21 number the customer will receive a homogenous set of

SATA Certifications MULTI VENDOR

– Prequalified certification will be listed in the HPE Selector Tool https://ssd.hpe.com.
– For latest vSAN Compatibility, please visit Broadcom vSAN SSD Compatibility Guide and enter specific HPE Part Number to confirm compatibility.
– For latest Windows OS Certification and SDDC (Software Defined Data Center) Premium AQ Certification please visit https://www.windowsservercatalog.com and enter specific HPE Model Number to confirm compatibility.

SAS Capacity, Workload, Carrier Specifications

SAS Interface - (Capacity, Workload, Carrier...)											
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)	Flash Type	Port	Server Gen Supported (Select Platforms)
Mixed Use SAS Drives											
P49048-B21	HPE 1.6TB SAS 12G Mixed Use SFF SC Multi Vendor SSD	1,600	MU	SAS	SFF	Hot Plug	SC	Yes	TLC	Dual	Gen10, 10 Plus
P49047-B21	HPE 800GB SAS 24G Mixed Use SFF BC Multi Vendor SSD	800	MU	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
P49049-B21	HPE 1.6TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	1,600	MU	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
P49053-B21	HPE 3.2TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	3,200	MU	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
P49057-B21	HPE 6.4TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	6,400	MU	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
Mixed Use SAS Self-Encrypting Drives (SED)											
P83344-B21	HPE 1.6TB SAS Mixed Use SFF BC Self-encrypting FIPS 140-3 PM7 SSD	1,600	MU	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen11, 12
Read Intensive SAS Drives											
P49034-B21	HPE 3.84TB SAS 12G Read Intensive SFF SC Multi Vendor SSD	3,840	RI	SAS	SFF	Hot Plug	SC	Yes	TLC	Dual	Gen10, 10 Plus
P49044-B21	HPE 15.36TB SAS 12G Read Intensive SFF SC Multi Vendor SSD	15,360	RI	SAS	SFF	Hot Plug	SC	Yes	TLC	Dual	Gen10, 10 Plus
P49029-B21	HPE 960GB SAS 24G Read Intensive SFF BC Multi Vendor SSD	960	RI	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
P49031-B21	HPE 1.92TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	1,920	RI	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
P49035-B21	HPE 3.84TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	3,840	RI	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
P49041-B21	HPE 7.68TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	7,680	RI	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
P49045-B21	HPE 15.36TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	15,360	RI	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen10 Plus
Read Intensive SAS Self-Encrypting Drives (SED)											
P83347-B21	HPE 3.84TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 SSD	3,840	RI	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen11, 12
P83350-B21	HPE 7.68TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 SSD	7,680	RI	SAS	SFF	Hot Plug	BC	Yes	TLC	Dual	Gen11, 12

Notes:

B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

SAS Speeds and Feeds Specifications

SAS Interface - (Speeds & Feeds)							
HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Throughput (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	MAX Random Read / MAX Random Write IOPS (4KiB)
Mixed Use SAS Drives							
P49048-B21	HPE 1.6TB SAS 12G Mixed Use SFF SC Multi Vendor SSD	8,760	3	1,080 / 1,030	185 / 95	115,000 / 120,000	173,000@Q64 / 120,000@Q16
P49047-B21	HPE 800GB SAS 24G Mixed Use SFF BC Multi Vendor SSD	4,380	3	1,090 / 1,040	94 / 34	150,000 / 135,000	174,000@Q64 / 120,000@Q16
P49049-B21	HPE 1.6TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	8,760	3	2,030 / 1,950	90 / 27	150,000 / 165,000	155,000@Q64 / 165,000@Q16
P49053-B21	HPE 3.2TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	17,121	3	2,030 / 1,950	97 / 29	145,000 / 160,000	155,000@Q64 / 160,000@Q16
P49057-B21	HPE 6.4TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	32,241	3	1,080 / 1,035	108 / 32	135,000 / 125,000	173,000@Q64 / 130,000@Q16
Mixed Use SAS Self-Encrypting Drives (SED)							
P83344-B21	HPE 1.6TB SAS Mixed Use SFF BC Self-encrypting FIPS 140-3 PM7 SSD	8,760	3.00	2,047 / 2,046	78 / 23	184,642 / 317,376	308,406@Q64 / 325,959@Q128
Read Intensive SAS Drives							
P49034-B21	HPE 3.84TB SAS 12G Read Intensive SFF SC Multi Vendor SSD	6,848	1	1,080 / 1,030	175 / 95	110,000 / 78,000	173,000@Q64 / 78,000@Q4
P49044-B21	HPE 15.36TB SAS 12G Read Intensive SFF SC Multi Vendor SSD	27,393	1	1,080 / 1,030	185 / 95	100,000 / 63,000	173,000@Q64 / 64,000@Q16
P49029-B21	HPE 960GB SAS 24G Read Intensive SFF BC Multi Vendor SSD	1,712	1	2,030 / 1,280	90 / 26	155,000 / 65,000	174,000@Q64 / 65,000@Q4
P49031-B21	HPE 1.92TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	3,424	1	2,030 / 1,950	90 / 29	150,000 / 100,000	155,000@Q32 / 100,000@Q4
P49035-B21	HPE 3.84TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	7,008	1	2,030 / 1,950	97 / 27	145,000 / 114,000	155,000@Q32 / 100,000@Q4
P49041-B21	HPE 7.68TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	14,016	1	2,030 / 1,950	97 / 29	145,000 / 140,000	155,000@Q64 / 140,000@Q16
P49045-B21	HPE 15.36TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	27,393	1	2,030 / 1,950	97 / 26	150,000 / 140,000	174,000@Q64 / 145,000@Q16
Read Intensive SAS Self-Encrypting Drives (SED)							
P83347-B21	HPE 3.84TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 SSD	7,008	1.00	2,047 / 2,037	77 / 23	186,622 / 159,779	308,508@Q64 / 160,497@Q128
P83350-B21	HPE 7.68TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 SSD	14,016	1.00	2,047 / 2,046	78 / 23	185,074 / 170,276	308,726@Q64 / 171,826@Q64

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

SAS Interface - (Power & Height)									
HPE Option Kit SKU	Long Description	Power Idle Time (Watts)	Power Random Read (Watts)	Power Random Write (Watts)	Power Sequential Read (Watts)	Power Sequential Write (Watts)	Power Random R/W (Watts)	Power MAX (Watts)	z-Height
Mixed Use SAS Drives									
P49048-B21	HPE 1.6TB SAS 12G Mixed Use SFF SC Multi Vendor SSD	3.83	6.59	6.59	6.55	9.60	6.59	9.60	15 mm
P49047-B21	HPE 800GB SAS 24G Mixed Use SFF BC Multi Vendor SSD	4.66	6.47	6.47	8.28	8.56	6.47	8.56	15 mm
P49049-B21	HPE 1.6TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	6.11	8.00	8.00	8.84	13.61	8.00	13.61	15 mm
P49053-B21	HPE 3.2TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	6.27	8.56	8.56	9.00	16.89	8.56	16.89	15 mm
P49057-B21	HPE 6.4TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	6.12	8.77	8.77	10.49	17.64	8.77	17.64	15 mm
Mixed Use SAS Self-Encrypting Drives (SED)									
P83344-B21	HPE 1.6TB SAS Mixed Use SFF BC Self-encrypting FIPS 140-3 PM7 SSD	5.00	10.56	13.80	9.75	14.99	14.80	16.00	15 mm
Read Intensive SAS Drives									
P49034-B21	HPE 3.84TB SAS 12G Read Intensive SFF SC Multi Vendor SSD	3.42	7.00	7.00	6.63	9.19	7.00	9.19	15 mm
P49044-B21	HPE 15.36TB SAS 12G Read Intensive SFF SC Multi Vendor SSD	4.18	8.67	8.67	7.97	9.88	8.67	9.88	15 mm
P49029-B21	HPE 960GB SAS 24G Read Intensive SFF BC Multi Vendor SSD	6.19	7.81	7.81	8.42	10.34	7.81	10.34	15 mm
P49031-B21	HPE 1.92TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	6.17	7.96	7.96	8.64	13.66	7.96	13.66	15 mm
P49035-B21	HPE 3.84TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	6.33	8.94	8.94	9.00	16.82	8.94	16.82	15 mm
P49041-B21	HPE 7.68TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	6.10	8.90	8.90	10.10	17.29	8.90	17.29	15 mm
P49045-B21	HPE 15.36TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	6.64	8.94	8.94	12.40	17.62	8.94	17.62	15 mm
Read Intensive SAS Self-Encrypting Drives (SED)									
P83347-B21	HPE 3.84TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 SSD	5.00	11.22	15.48	11.47	16.02	16.20	18.00	15 mm
P83350-B21	HPE 7.68TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 SSD	5.00	10.42	13.93	10.01	13.95	14.8	16	15 mm

Notes:
B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

SAS Certifications

– Prequalified certification will be listed in the HPE Selector Tool https://ssd.hpe.com.

– For latest vSAN Compatibility, please visit Broadcom vSAN SSD Compatibility Guide and enter specific HPE Part Number to confirm compatibility.
– For latest Windows OS Certification and SDDC (Software Defined Data Center) Premium AQ Certification please visit https://www.windowsservercatalog.com and enter specific HPE Model Number to confirm compatibility.

Value SAS Capacity, Workload, Carrier Specifications MULTI VENDOR

Value SAS Interface - (Capacity, Workload, Carrier...) MULTI VENDOR											
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)	Flash Type	Port	Server Gen Supported (Select Platforms)
Mixed Use Multi Vendor Value SAS Drives											
P37009-B21	HPE 960GB SAS 12G Mixed Use LFF LPC Value SAS Multi Vendor SSD	960	MU	Value SAS	LFF	Hot Plug	LPC	Yes	TLC	Single	Gen10, 10 Plus
P40510-B21	HPE 960GB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	960	MU	Value SAS	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11
P40511-B21	HPE 1.92TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	1,920	MU	Value SAS	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11
P40512-B21	HPE 3.84TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	3,840	MU	Value SAS	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11
Read Intensive Multi Vendor Value SAS Drives											
P40506-B21	HPE 960GB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	960	RI	Value SAS	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11

Value SAS Interface - (Capacity, Workload, Carrier...) MULTI VENDOR											
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)	Flash Type	Port	Server Gen Supported (Select Platforms)
Read Intensive Multi Vendor Value SAS Drives											
P40507-B21	HPE 1.92TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	1,920	RI	Value SAS	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11
P40508-B21	HPE 3.84TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	3,840	RI	Value SAS	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11
P40509-B21	HPE 7.68TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	7,680	RI	Value SAS	SFF	Hot Plug	BC	Yes	TLC	Single	Gen10 Plus, 11

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.
– Multi-vendor SKUs are composed of numerous vendors manufactured SSDs within a given SATA capacity SKU. When ordering a particular SKU-B21 number the customer will receive a homogenous set of

Value SAS Speeds and Feeds Specifications MULTI VENDOR

Value SAS Interface - (Speeds & Feeds) MULTI VENDOR							
HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Through-put (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	MAX Random Read / MAX Random Write IOPS (4KiB)
Mixed Use Multi Vendor Value SAS Drives							
P37009-B21	HPE 960GB SAS 12G Mixed Use LFF LPC Value SAS Multi Vendor SSD	5,200	3.0	820 / 650	122 / 34	105,000 / 42,322	160,000@Q64 / 51,000@Q32
P40510-B21	HPE 960GB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	5,200	3.0	790 / 635	130 / 35	105,000 / 42,322	155,000@Q32 / 42,322@Q16
P40511-B21	HPE 1.92TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	10,000	3.0	820 / 635	140 / 38	96,000 / 51,000	155,000@Q32 / 51,000@Q256
P40512-B21	HPE 3.84TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	21,000	3.0	820 / 650	129 / 34	105,000 / 51,000	160,000@Q32 / 51,000@Q256
Read Intensive Multi Vendor Value SAS Drives							
P40506-B21	HPE 960GB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	1,700	1.00	820 / 650	121 / 34	105,000 / 41,000	160,000@Q32 / 41,000@Q4
P40507-B21	HPE 1.92TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	3,500	1.00	820 / 620	122 / 34	108,713 / 41,000	160,000@Q64 / 41,000@Q4
Read Intensive Multi Vendor Value SAS Drives							
P40508-B21	HPE 3.84TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	7,000	1.00	820 / 650	129 / 35	100,000 / 41,000	160,000@Q64 / 42,000@Q128
P40509-B21	HPE 7.68TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	14,000	1.00	820 / 695	129 / 38	108,9550 / 41,550	160,000@Q256 / 41,789@Q16

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.
– Multi-vendor SKUs are composed of numerous vendors manufactured SSDs within a given SAS capacity SKU. When ordering a particular SKU-B21 number the customer will receive a homogenous set of

Value SAS Power and Height Specifications MULTI VENDOR

Value SAS Interface - (Power & Height) MULTI VENDOR									
HPE Option Kit SKU	Long Description	Power Idle Time (Watts)	Power Random Read (Watts)	Power Random Write (Watts)	Power Sequential Read (Watts)	Power Sequential Write (Watts)	Power Random R/W (Watts)	Power MAX (Watts)	z-Height
Mixed Use Multi Vendor Value SAS Drives									
P37009-B21	HPE 960GB SAS 12G Mixed Use LFF LPC Value SAS Multi Vendor SSD	4.71	5.04	4.95	8.13	5.78	5.04	9.00	15 mm
P40510-B21	HPE 960GB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	4.71	5.04	4.95	8.13	5.78	5.04	9.00	15 mm
P40511-B21	HPE 1.92TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	4.88	6.08	5.35	8.21	6.25	6.08	9.00	15 mm
P40512-B21	HPE 3.84TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	4.99	6.26	5.79	8.23	6.57	6.26	9.00	15 mm
Read Intensive Multi Vendor Value SAS Drives									
P40506-B21	HPE 960GB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	4.49	5.10	5.00	7.60	5.98	5.10	9.00	15 mm
P40507-B21	HPE 1.92TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	4.60	6.33	5.12	7.66	6.62	6.33	9.00	15 mm
P40508-B21	HPE 3.84TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	4.99	6.52	5.79	8.03	7.26	6.52	9.00	15 mm
P40509-B21	HPE 7.68TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	4.69	7.69	5.70	8.45	6.91	7.69	9.00	15 mm

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.
– Multi-vendor SKUs are composed of numerous vendors manufactured SSDs within a given SAS capacity SKU. When ordering a particular SKU-B21 number the customer will receive a homogenous set of

Value SAS Certifications MULTI VENDOR

– Prequalified certification will be listed in the HPE Selector Tool https://ssd.hpe.com
– For latest vSAN Compatibility, please visit Broadcom vSAN SSD Compatibility Guide and enter specific HPE Part Number to confirm compatibility.
– For latest Windows OS Certification and SDDC (Software Defined Data Center) Premium AQ Certification please visit https://www.windowsservercatalog.com and enter specific HPE Model Number to confirm compatibility.

PCIe/NVMe Capacity, Workload, Carrier Specifications

PCIe/NVMe Interface - SKUs (Capacity, Workload, Carrier...)								
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)
NVMe High Performance and Mainstream Mixed-Use Drives								
P50227-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	1,600	MU	NVMe	SFF	Hot Plug	BC	Yes
P50230-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	3,200	MU	NVMe	SFF	Hot Plug	BC	Yes
P50233-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	6,400	MU	NVMe	SFF	Hot Plug	BC	Yes
P63845-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	1,600	MU	NVMe	SFF	Hot Plug	BC	Yes
P63849-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	3,200	MU	NVMe	SFF	Hot Plug	BC	Yes
P70426-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PS1030 SSD	3,200	MU	NVMe	SFF	Hot Plug	BC	Yes
P70428-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PS1030 SSD	6,400	MU	NVMe	SFF	Hot Plug	BC	Yes
P63853-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	6,400	MU	NVMe	SFF	Hot Plug	BC	Yes
P78801-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Static PM1755 SSD	3,200	MU	NVMe	SFF	Hot Plug	BC	Yes
P78804-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Static PM1755 SSD	6,400	MU	NVMe	SFF	Hot Plug	BC	Yes
P85662-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	1,600	MU	NVMe	SFF	Hot Plug	BC	Yes
P85664-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	3,200	MU	NVMe	SFF	Hot Plug	BC	Yes
P85666-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	6,400	MU	NVMe	SFF	Hot Plug	BC	Yes
P91237-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	1,600	MU	NVMe	SFF	Hot Plug	BC	Yes
P91239-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	3,200	MU	NVMe	SFF	Hot Plug	BC	Yes
P91241-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	6,400	MU	NVMe	SFF	Hot Plug	BC	Yes
P64999-B21	HPE 800GB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	800	MU	NVMe	SFF	Hot Plug	BC	Yes
P65007-B21	HPE 1.6TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	1,600	MU	NVMe	SFF	Hot Plug	BC	Yes
P65015-B21	HPE 3.2TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	3,200	MU	NVMe	SFF	Hot Plug	BC	Yes
P65023-B21	HPE 6.4TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	6,400	MU	NVMe	SFF	Hot Plug	BC	Yes
NVMe High Performance and Mainstream Read Intensive Drives								
P50216-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PM1733a SSD	1,920	RI	NVMe	SFF	Hot Plug	BC	Yes
P63829-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	1,920	RI	NVMe	SFF	Hot Plug	BC	Yes
P63833-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	3,840	RI	NVMe	SFF	Hot Plug	BC	Yes
P63837-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	7,680	RI	NVMe	SFF	Hot Plug	BC	Yes
P63841-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	15,360	RI	NVMe	SFF	Hot Plug	BC	Yes
P70434-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PS1010 SSD	7,680	RI	NVMe	SFF	Hot Plug	BC	Yes
P70436-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PS1010 SSD	15,360	RI	NVMe	SFF	Hot Plug	BC	Yes
P64842-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	960	RI	NVMe	SFF	Hot Plug	BC	Yes

PCIe/NVMe Interface - SKUs (Capacity, Workload, Carrier...)									
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)	
P64844-B21	HPE 1.92TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	1,920	RI	NVMe	SFF	Hot Plug	BC	Yes	
P78806-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	3,840	RI	NVMe	SFF	Hot Plug	BC	Yes	
P78808-B2	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	7,680	RI	NVMe	SFF	Hot Plug	BC	Yes	
P78810-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	15,360	RI	NVMe	SFF	Hot Plug	BC	Yes	
P85668-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	1,920	RI	NVMe	SFF	Hot Plug	BC	Yes	
P85670-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	3,840	RI	NVMe	SFF	Hot Plug	BC	Yes	
P85672-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	7,680	RI	NVMe	SFF	Hot Plug	BC	Yes	
P85674-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	15,360	RI	NVMe	SFF	Hot Plug	BC	Yes	
P85676-B21	HPE 30.72TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	30,720	RI	NVMe	SFF	Hot Plug	BC	Yes	
P91243-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	1,920	RI	NVMe	SFF	Hot Plug	BC	Yes	
P91245-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	3,840	RI	NVMe	SFF	Hot Plug	BC	Yes	
P91247-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	7,680	RI	NVMe	SFF	Hot Plug	BC	Yes	
P91249-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	15,360	RI	NVMe	SFF	Hot Plug	BC	Yes	
P64846-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	3,840	RI	NVMe	SFF	Hot Plug	BC	Yes	
P64848-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	7,680	RI	NVMe	SFF	Hot Plug	BC	Yes	
P84244-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD	3,840	RI	NVMe	SFF	Hot Plug	BC	Yes	
P84242-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD	7,680	RI	NVMe	SFF	Hot Plug	BC	Yes	
P84239-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500b SSD	15,360	RI	NVMe	SFF	Hot Plug	BC	Yes	
P84236-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive BC U.3 Static V2 SPDM Multi Vendor SSD	15,360	RI	NVMe	SFF	Hot Plug	BC	Yes	
NVMe High Performance Self-Encrypting Drives (SED) and Federal Information Processing Standards (FIPS) SFF SSDs									
P61019-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	1,920	RI	NVMe	SFF	Hot Plug	BC	Yes	
P61027-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3,840	RI	NVMe	SFF	Hot Plug	BC	Yes	
P61035-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	7,680	RI	NVMe	SFF	Hot Plug	BC	Yes	
P61043-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	1,600	MU	NVMe	SFF	Hot Plug	BC	Yes	
P61051-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3,200	MU	NVMe	SFF	Hot Plug	BC	Yes	
P61059-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	6,400	MU	NVMe	SFF	Hot Plug	BC	Yes	

PCIe/NVMe Speeds and Feeds Specifications

PCIe/NVMe Interface - SKUs (Speeds and Feeds)							
HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Throughput (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	
NVMe High Performance and Mainstream Mixed-Use Drives							
P50227-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	8,760	3.00	7,100 / 2,500	70 / 19	220,000 / 270,000	1,
P50230-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	17,520	3.00	7,100 / 4,200	70 / 19	225,000 / 310,000	1,
P50233-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	35,040	3.00	7,100 / 4,200	79 / 19	200,000 / 310,000	1,
P63845-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	8,760	3.00	7,155 / 3,409	67 / 11	221,887 / 318,295	1,
P63849-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	17,520	3.00	7,118 / 6,818	67 / 11	225,305 / 582,238	1,
P63853-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	35,040	3.00	7,117 / 6,831	67 / 11	226,351 / 538,037	1,
P70426-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PS1030 SSD	20,031	3.43	7,066 / 6,373	61 / 15	250,180 / 657,811	92
P70428-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PS1030 SSD	40,062	3.43	7,066 / 6,345	60 / 14	251,921 / 732,734	9(
P78801-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Static PM1755 SSD	17,520	3.0	7100 / 6900	59 / 7	259,000 / 883,800	1,
P78804-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Static PM1755 SSD	35,040	3.0	7100 / 6900	59 / 7	261,000 / 991,200	1,
P85662-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	8,760	3.0	7,119/3,504	62/6	242,515/325,370	1,
P85664-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	17,520	3.0	7,119/6,836	62/6	245,449/657,218	1,
P85666-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	35,040	3.0	7,119/6,996	52/6	292,110/840,042	1,
P91237-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	8,760	3.0	7,066 / 3,409	67 / 15	221,887 / 318,295	9(
P91239-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	17,520	3.0	7,066 / 6,373	67 / 15	225,305 / 582,238	92
P91241-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	35,040	3.0	7,066 / 6,345	67 / 14	226,351 / 538,037	9(

PCIe/NVMe Interface - SKUs (Speeds and Feeds)							
HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Throughput (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	
P64999-B21	HPE 800GB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	4,380	3.0	6,200 / 1,383	72 / 16	189,142 / 158,900	54
P65007-B21	HPE 1.6TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	8,760	3.0	6,200 / 2,731	72 / 16	202,668 / 283,846	81
P65015-B21	HPE 3.2TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	17,520	3.0	6,200 / 4,300	73 / 16	209,431 / 382,266	93
P65023-B21	HPE 6.4TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	35,040	3.0	6,200 / 4,300	73 / 16	211,802 / 394,003	95
NVMe High Performance and Mainstream Read Intensive Drives							
P50216-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PM1733a SSD	3,504	1.00	7,100 / 2,500	70 / 19	220,000 / 125,000	1,
P63829-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	3,504	1.00	7,160 / 3,421	67 / 11	222,075 / 161,441	1,
P63833-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	7,008	1.00	7,151 / 6,813	67 / 11	225,439 / 307,155	1,
P63837-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	14,016	1.00	7,165 / 6,831	67 / 11	225,888 / 298,739	1,
P63841-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	28,032	1.00	7,162 / 6,832	67 / 11	227,113 / 312,673	1,
P70434-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PS1010 SSD	19,622	1.40	7,066 / 6,347	61 / 16	252,232 / 411,445	94
P70436-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PS1010 SSD	40,366	1.44	7,066 / 6,412	61 / 15	252,285 / 390,850	99
P78806-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	7,008	1.0	7100 / 6900	59 / 7	258,900 / 456,200	1,
P78808-B2	7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	14,016	1.0	7100 / 6900	59 / 7	260,900 / 601,000	1,
P78810-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	28,032	1.0	7100 / 6900	64 / 7	242,900 / 651,300	1,
P85668-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	3,504	1.0	7,119/3,488	62/6	242,337/183,781	1,
P85670-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	7,008	1.0	7,119/6,817	62/6	245,309/388,076	1,
P85672-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	14,016	1.0	7,119/6,996	52/6	291,882/532,381	1,
P85674-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	28,032	1.0	7,119/6,994	52/6	294,250/563,793	1,
P85676-B21	HPE 30.72TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	56,064	1.0	7,119/6,988	58/6	264,603/331,194	1,
P91243-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	3,504	1.0	7,066 / 3,421	67 / 14	222,075 / 161,441	90
P91245-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	7,008	1.0	7,066 / 6,364	67 / 14	225,439 / 307,155	89
P91247-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	14,016	1.0	7,066 / 6,347	67 / 16	225,888 / 298,739	94
P91249-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	28,032	1.0	7,066 / 6,412	67 / 15	227,113 / 312,673	99
P64842-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	1,752	1.0	6,200 / 1,395	72 / 17	189,027 / 71,425	54
P64844-B21	HPE 1.92TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	3,504	1.0	6,200 / 2,681	73 / 17	202,698 / 133,123	81
P64846-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	7,008	1.0	6,200 / 3,969	72 / 17	209,990 / 180,000	98
P64848-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	14,016	1.0	6,200 / 3,870	76 / 17	196,951 / 190,000	95
P84244-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD	7,008	1.0	6,631 / 5,276	70 / 15	218,219 / 187,779	1,(
P84242-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD	14,016	1.0	6,648 / 5,946	70 / 16	220,004 / 242,195	1,
P84239-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500b SSD	28,032	1.0	6,730 / 5,947	70 / 16	220,577 / 267,851	1,(
P84236-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive BC U.3 Static V2 SPDM Multi Vendor SSD	28,032	1.0	6,730 / 5,947	70 / 16	220,577 / 267,851	1,(
NVMe High Performance Self-Encrypting Drives (SED) and Federal Information Processing Standards (FIPS) SFF SSDs							
P61019-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3,504	1.00	7,160 / 3,421	67 / 11	222,075 / 161,441	1,
P61027-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	7,008	1.00	7,151 / 6,813	67 / 11	225,439 / 307,155	1,2
P61035-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	14,016	1.00	7,165 / 6,831	67 / 11	225,888 / 298,739	1,2
P61043-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	8,760	3.00	7,155 / 3,409	67 / 11	221,887 / 318,295	1,2
P61051-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	17,520	3.00	7,118 / 6,818	67 / 11	225,305 / 582,238	1,2
P61059-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	35,040	3.00	7,117 / 6,831	67 / 11	226,351 / 538,037	1,2

Notes:

– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

PCIe/NVMe Power & Height Specifications

PCIe/NVMe Interface - (Power & Height)									
HPE Option Kit SKU	Long Description	Power Idle Time (Watts)	Power Random Read (Watts)	Power Random Write (Watts)	Power Sequential Read (Watts)	Power Sequential Write (Watts)	Power Random R/W (Watts)	Po MA (W
NVMe High Performance and Mainstream Mixed-Use Drives								
P50227-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	4.40	15.10	14.10	13.90	14.20	13.50	15.1
P50230-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	4.60	17.10	15.10	14.60	18.40	15.80	18.4
P50233-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PM1735a SSD	4.20	17.60	15.30	14.80	18.70	15.50	18.7
P63845-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	3.41	15.60	12.66	12.94	13.28	13.22	18.0
P63849-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	3.53	16.58	18.80	13.60	20.18	18.04	22.0
P63853-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 CM7 SSD	3.61	17.76	19.18	14.17	21.90	19.57	24.0
P70426-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PS1030 SSD	3.96	13.12	15.70	11.22	14.43	15.90	16.0
P70428-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PS1030 SSD	4.23	15.16	19.48	12.75	15.62	19.91	20.3
P78801-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Static PM1755 SSD	2.92	11.05	15.25	9.71	13.80	13.87	15.6
P78804-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Static PM1755 SSD	3.05	11.77	16.70	9.48	13.57	17.92	18.3
P85662-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	2.73	13.86	10.97	11.08	11.78	12.09	13.9
P85664-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	2.84	14.80	16.66	11.58	18.03	17.16	18.2
P85666-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 PQC27 CM9 SSD	2.81	11.87	15.33	9.12	14.87	16.13	16.3
P91237-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	4.17	15.60	12.66	12.94	13.28	13.22	18.0
P91239-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	3.96	16.58	18.80	13.60	20.18	18.04	22.0
P91241-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Multi Vendor SSD	4.23	17.76	19.48	14.17	21.90	19.91	24.0
P64999-B21	HPE 800GB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	5.00	10.06	8.28	10.64	8.70	8.35	13.0
P65007-B21	HPE 1.6TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	5.00	11.94	11.58	10.96	11.75	10.62	16.0
P65015-B21	HPE 3.2TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	5.00	12.65	12.38	11.31	14.80	11.79	17.0
P65023-B21	HPE 6.4TB NVMe Gen4 Mainstream Performance Mixed Use SFF BC U.3 Static V2 Multi Vendor SSD	5.00	12.75	14.32	12.10	17.92	13.55	21.0
NVMe High Performance and Mainstream Read Intensive Drives								
P50216-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PM1733a SSD	4.30	15.10	14.10	13.90	14.20	13.50	15.1
P63829-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	3.60	15.53	12.54	13.02	13.49	12.80	18.0
P63833-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	3.71	16.79	18.37	13.74	20.16	17.88	22.0
P63837-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	3.62	17.53	19.69	14.14	21.68	19.58	24.0
P63841-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 CM7 SSD	3.97	18.78	20.94	15.02	22.61	20.33	25.0
P70434-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PS1010 SSD	4.17	15.14	20.61	12.65	15.66	20.98	21.1
P70436-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PS1010 SSD	4.48	16.85	21.21	13.82	16.49	21.33	21.7
P78806-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	2.90	11.00	15.47	9.40	13.42	14.37	15.7
P78808-B2	7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	3.00	11.64	18.57	9.58	13.72	17.86	18.9
P78810-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1753 SSD	3.08	12.58	19.29	10.18	14.37	18.84	19.8
P85668-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	3.11	13.82	11.29	11.13	11.86	11.63	13.9
P85670-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	2.85	14.93	17.36	11.68	18.21	16.94	17.7
P85672-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	2.83	11.77	15.16	9.46	15.32	15.70	15.9
P85674-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	3.19	13.18	16.78	10.32	15.79	18.06	18.3
P85676-B21	HPE 30.72TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 PQC27 CM9 SSD	3.81	17.06	15.34	12.24	17.66	16.48	18.7
P91243-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	4.16	15.53	12.54	13.02	13.49	12.80	18.0
P91245-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	3.95	16.79	18.37	13.74	20.16	17.88	22.0
P91247-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	4.17	17.53	20.61	14.14	21.68	20.98	24.0
P91249-B21	HPE 15.36TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Multi Vendor SSD	4.48	18.78	21.21	15.02	22.61	21.33	25.0
P64842-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	5.00	8.96	8.00	9.60	8.42	8.50	13.0
P64844-B21	HPE 1.92TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	5.00	9.50	11.28	10.00	11.33	10.25	16.0
P64846-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	5.00	10.56	13.00	10.82	14.80	11.48	17.0
P64848-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 Multi Vendor SSD	5.00	11.50	13.96	12.10	15.28	13.25	21.0
P84244-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD	5.00	9.30	9.50	9.50	11.60	9.20	11.9
P84242-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD	5.00	10.10	10.70	10.20	12.90	10.70	13.1
P84239-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500b SSD	5.00	13.4	13.4	12.4	15.4	13.1	15.6
P84236-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive BC U.3 Static V2 SPDM Multi Vendor SSD	5.00	13.4	13.4	12.4	15.4	13.1	15.6

NVMe High Performance Self-Encrypting Drives (SED) and Federal Information Processing Standards (FIPS) SFF SSDs									
P61019-B21	HPE 1.92TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3.60	15.53	12.54	13.02	13.49	12.80	18.00	15 mm
P61027-B21	HPE 3.84TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3.71	16.79	18.37	13.74	20.16	17.88	22.00	15 mm

P61035-B21	HPE 7.68TB NVMe Gen4 High Performance Read Intensive SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3.62	17.53	19.69	14.14	21.68	19.58	24.00	15 mm
P61043-B21	HPE 1.6TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3.41	15.60	12.66	12.94	13.28	13.22	18.00	15 mm
P61051-B21	HPE 3.2TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3.53	16.58	18.80	13.60	20.18	18.04	22.00	15 mm
P61059-B21	HPE 6.4TB NVMe Gen4 High Performance Mixed Use SFF BC U.3 Self-encrypting FIPS 140-3 CM7 SSD	3.61	17.76	19.18	14.17	21.90	19.57	24.00	15 mm

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.com to determine server compatibility.

NVMe Certifications

– Prequalified certification will be listed in the HPE Selector Tool https://ssd.hpe.com
– For latest vSAN Compatibility, please visit Broadcom vSAN SSD Compatibility Guide and enter specific HPE Part Number to confirm compatibility.
– For latest Windows OS Certification and SDDC (Software Defined Data Center) Premium AQ Certification please visit https://www.windowsservercatalog.com and enter specific HPE Model Number to confirm compatibility.

PCIe/NVMe EDSFF E3.S Capacity, Workload, Carrier Specifications

PCIe/NVMe EDSFF E3.S - SKUs (Capacity, Workload, Carrier...)

HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digita Signec Firmw (DS)
NVMe Main Performance Mixed Use EDSFF E3.S SSDs								
P69241-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	1,600	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P69243-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P69245-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P77262-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	1,600	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P77265-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P77267-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P85114-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	1,600	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P85117-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P85119-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P87715-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	1,600	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P87717-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P91084-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	1,600	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P91086-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P91088-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
NVMe Main Performance Read Intensive EDSFF E3.S SSDs								
P69234-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	1,920	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P69237-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P69239-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P69546-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P77269-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	1,920	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P77271-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P77273-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P77275-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P78914-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	1,920	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P78917-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P78919-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P78921-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P78923-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	30,720	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P79147-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF Self-encrypting PM9D3a SSD	30,720	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P85121-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	1,920	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P85124-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P85126-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P85128-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P87719-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	1,920	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P87721-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P87723-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes

PCIe/NVMe EDSFF E3.S - SKUs (Capacity, Workload, Carrier...)

HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digita Signec Firmw (DS)
P91090-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	1,920	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P91092-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P91094-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P91096-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
NVMe Main Performance Very-read-optimized EDSFF E3.S SSDs								
P63930-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	3,840	VRO	NVMe	E3.S	Hot Plug	EC1	Yes
P63934-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	7,680	VRO	NVMe	E3.S	Hot Plug	EC1	Yes
P63938-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	15,360	VRO	NVMe	E3.S	Hot Plug	EC1	Yes
P79065-B21	HPE 30.72TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	30,720	VRO	NVMe	E3.S	Hot Plug	EC1	Yes
P79615-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	30,720	VRO	NVMe	E3.S	Hot Plug	EC1	Yes
P79618-B21	HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	61,440	VRO	NVMe	E3.S	Hot Plug	EC1	Yes
P79620-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	30,720	VRO	NVMe	E3.S	Hot Plug	EC1	Yes
P79623-B21	HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	61,440	VRO	NVMe	E3.S	Hot Plug	EC1	Yes
NVMe High Performance Mixed Use EDSFF E3.S SSDs								
P61191-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM CM7 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P61195-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM CM7 SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P70399-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P70401-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P70403-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	12,800	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P78784-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P78787-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P77050-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P77053-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P77055-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	12,800	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P85731-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P85733-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P85735-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	12,800	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P91098-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes

PCIe/NVMe EDSFF E3.S - SKUs (Capacity, Workload, Carrier...)

HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digita Signec Firmw (DS)
P91100-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes
P91102-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	12,800	MU	NVMe	E3.S	Hot Plug	EC1	Yes
NVMe High Performance Read Intensive EDSFF E3.S SSDs								
P57799-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P57803-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P57807-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P61179-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P61183-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P61187-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P70392-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P70395-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P70397-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P77057-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P77059-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P77061-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P79965-B21	HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 EDSFF SPDM 9550 SSD	30,720	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P78789-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P78791-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P78793-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P85739-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P85741-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P85743-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P85745-B21	HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	30,720	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P91229-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	3,840	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P91231-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes
P91233-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes

NVMe High Performance Self-Encrypting Drives (SED) and Federal Information Processing Standards (FIPS) E3S SSDs											
P70674-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	7,680	RI	NVMe	E3.S	Hot Plug	EC1	Yes	TLC	Single	Gen
P79122-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	15,360	RI	NVMe	E3.S	Hot Plug	EC1	Yes	TLC	Single	Gen

P70669-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	3,200	MU	NVMe	E3.S	Hot Plug	EC1	Yes	TLC	Single	Gen
P70672-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	6,400	MU	NVMe	E3.S	Hot Plug	EC1	Yes	TLC	Single	Gen

Notes:
B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

PCIe/NVMe EDSFF E3.S Speeds and Feeds Specifications

PCIe/NVMe EDSFF E3.S - SKUs (Speeds and Feeds)

HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Throughput (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	MAX Random Read / MA Random Write IOPS (4K
NVMe Main Performance Mixed Use EDSFF E3.S SSDs							
P69241-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	8,760	3.00	11,837 / 3,429	75 / 15	199,703 / 314,566	1,289,951@Q256 / 315,178@Q
P69243-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	17,520	3.00	11,837 / 5,425	75 / 15	206,818 / 424,436	1,262,557@Q256 / 423,326@Q
P69245-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	35,040	3.00	11,837 / 5,426	75 / 15	208,152 / 417,995	1,306,127@Q256 / 417,056@Q

P77262-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	11,855	4.06	11,536 / 4,173	56 / 10	262,149 / 383,174	1,304,
P77265-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	23,535	4.03	11,038 / 6,416	55 / 10	267,089 / 557,402	1,301,
P77267-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	47,304	4.05	11,502 / 5,851	56 / 10	268,651 / 544,111	1,327,
P85114-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	8,760	3.0	11,241 / 3,393	52 / 11	283,361 / 376,284	2,151,
P85117-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	17,500	3.0	11,240 / 6,629	53 / 12	288,061 / 619,377	2,214,
P85119-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	35,040	3.0	11,239 / 6,960	53 / 11	289,110 / 810,181	2,249,
P87715-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	8,760	3.0	11,241 / 3,412	52 / 11	283,298 / 381,558	2,152,
P87717-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	17,500	3.0	11,240 / 6,664	53 / 12	288,270 / 621,566	2,215,
P91084-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	8,760	3.0	11,536 / 3,429	75 / 15	199,703 / 314,566	1,289,
P91086-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	17,520	3.0	11,038 / 5,425	73 / 15	206,818 / 424,436	1,262,
P91088-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	35,040	3.0	11,502 / 5,426	73 / 15	208,152 / 417,995	1,306,
NVMe Main Performance Read Intensive EDSFF E3.S SSDs							
P69234-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	3,504	1.00	11,837 / 3,423	75 / 15	199,342 / 160,036	1,296,
P69237-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	7,008	1.00	11,837 / 5,426	73 / 15	207,244 / 211,371	1,300,
P69239-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	14,016	1.00	11,837 / 5,400	73 / 15	207,936 / 214,770	1,280,
P69546-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	28,032	1.00	11,837 / 5,316	95 / 15	160,484 / 210,452	1,296,
P77269-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	5,011	1.43	11,654 / 4,109	56 / 10	261,725 / 176,961	1,308,
P77271-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	9,741	1.39	11,526 / 6,363	56 / 10	265,590 / 261,446	1,295,
P77273-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	19,622	1.40	11,019 / 5,816	56 / 10	267,826 / 225,842	1,322,
P77275-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	40,086	1.43	11,498 / 6,109	56 / 10	268,651 / 242,563	1,317,
P78914-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	3,504	1.00	12,096 / 3,266	59 / 9	253,261 / 164,977	17689
P78917-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	7,008	1.00	11,927 / 6,447	58 / 9	260,036 / 260,474	21220
P78919-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	14,016	1.00	11,938 / 6,577	62 / 9	242,689 / 384,429	20853
P78921-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	28,032	1.00	11,981 / 6,577	63 / 9	241,324 / 401,032	20854
P78923-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	56,064	1.0	8,434 / 6,073	65 / 9	231,888 / 310,211	1,594,
P79147-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF Self-encrypting PM9D3a SSD	56,064	1.0	8,434 / 6,073	65 / 9	231,454 / 310,084	1,594,
P85121-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	3,264	1.0	11,241 / 3,376	53 / 12	282,112 / 205,949	2,143,
P85124-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	7,008	1.0	11,240 / 6,709	53 / 12	288,409 / 340,303	2,213,
P85126-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	14,016	1.0	11,238 / 6,959	53 / 12	289,336 / 462,884	2,246,
P85128-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	28,032	1.0	11,240 / 6,961	54 / 11	284,184 / 446,257	2,266,
P87719-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	3,504	1.0	11,241 / 3,376	53 / 11	282,093 / 210,270	2,142,
P87721-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	7,008	1.0	11,241 / 6,649	53 / 12	287,913 / 330,337	2,205,
P87723-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	14,016	1.0	11,240 / 6,960	53 / 11	289,293 / 489,317	2,251,
P91090-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	3,504	1.0	11,654 / 3,423	75 / 15	199,342 / 160,036	1,296,
P91092-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	7,008	1.0	11,526 / 5,426	73 / 15	207,244 / 211,371	1,295,
P91094-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	14,016	1.0	11,019 / 5,400	73 / 15	207,936 / 214,770	1,280,
P91096-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	28,032	1.0	11,498 / 5,316	95 / 15	160,484 / 210,452	1,296,
NVMe Main Performance Very-read-optimized EDSFF E3.S SSDs							
P63930-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	3,860	0.55	5,316 / 908	100 / 16	134,391 / 59,452	541,93

P63934-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	8,040	0.57	6,965 / 1,750	100 / 14	144,842 / 109,023	804,97
P63938-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	14,340	0.51	7,119 / 2,922	101 / 15	148,022 / 135,419	958,73
P79065-B21	HPE 30.72TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	31,220	0.56	6,967 / 3,017	97 / 14	157,188 / 82,689	971,3(
P79615-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	14,016	0.3	13,716 / 8,811	61 / 16	253,754 / 88,355	2,554,
P79618-B21	HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	28,032	0.3	13,649 / 8,769	62 / 16	248,685 / 97,920	2,175,
P79620-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	14,016	0.3	13,716 / 8,805	61 / 16	253,867 / 88,277	2,555,
P79623-B21	HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	28,032	0.3	13,644 / 8,757	62 / 16	248,667 / 97,071	2,174,

NVMe High Performance Mixed Use EDSFF E3.S SSDs							
P61191-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM CM7 SSD	17,520	3	13,852 / 6,802	70 / 15	215,995 / 599,050	1,159,100@(
P61195-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM CM7 SSD	35,040	3	13,852 / 6,864	70 / 15	216,271 / 527,456	1,199,553@(
P70399-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	19,914	3.41	14,123 / 7,936	57 / 12	266,442 / 708,847	1,198,444@(
P70401-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	40,062	3.43	14,125 / 8,289	57 / 12	267,387 / 798,941	1,215,819@(
P70403-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	81,526	3.49	14,125 / 8,050	57 / 12	268,034 / 847,716	1,218,330@(
P78784-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	17,520	3.0	14,200 / 8,600	59 / 7	260,200 / 884,000	3,353,200@1
P78787-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	35,040	3.0	14,200 / 10,000	59 / 7	262,400 / 989,500	3,313,100@5
P77050-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	17,520	3.0	13,720 / 5,925	58 / 9	261,397 / 636,949	3,129,604@2
P77053-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	35,040	3.0	13,713 / 10,507	59 / 9	258,785 / 803,692	3,322,429@2
P77055-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	70,080	3.0	13,722 / 10,743	60 / 9	260,069 / 849,864	3,391,869@2
P85731-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	17,520	3.0	14,223/6,832	62/6	247,117/658,353	3,058,209@(
P85733-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	35,040	3.0	14,250/9,837	52/5	294,374/859,185	3,395,313@(
P85735-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	70,080	3.0	14,248/10,841	52/5	296,584/852,804	3,389,613@(
P91098-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	17,520	3.0	13,720 / 5,925	70 / 15	215,995 / 599,050	1,159,100@(
P91100-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	35,040	3.0	13,713 / 6,864	70 / 15	216,271 / 527,456	1,199,553@(
P91102-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	70,080	3.0	13,722 / 8,050	60 / 12	260,069 / 847,716	1,218,330@(
NVMe High Performance Read Intensive EDSFF E3.S SSDs							
P57799-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	7,008	1	13,821 / 5,850	73 / 19	220,626 / 288,895	1,040,714@(
P57803-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	14,016	1	13,378 / 5,841	82 / 19	196,587 / 312,346	1,068,434@(
P57807-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	28,032	1	13,800 / 7,276	82 / 19	197,931 / 359,542	1,060,146@(
P61179-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	7,008	1	13,852 / 6,868	70 / 15	215,993 / 325,008	1,202,413@(
P61183-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	14,016	1	13,852 / 6,860	70 / 14	215,951 / 302,927	1,175,981@(
P61187-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	28,032	1	12,520 / 5,337	92 / 14	165,451 / 273,611	1,174,204@(
P70392-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	9,461	1.35	14,123 / 7,903	57 / 12	266,362 / 310,939	1,220,136@(
P70395-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	18,922	1.35	14,126 / 8,258	57 / 12	267,567 / 413,609	1,187,283@(
P70397-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	40,366	1.44	14,125 / 8,231	57 / 12	268,119 / 379,978	1,204,150@(
P77057-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	7,008	1.0	13,720 / 5,878	58 / 9	261,374 / 343,365	3,131,044@2
P77059-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	14,016	1.0	13,713 / 10,512	59 / 9	258,693 / 452,753	3,327,068@2
P77061-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	28,032	1.0	13,722/ 10,780	60 / 9	259,812 / 517,449	3,392,175@2
P79965-B21	HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 EDSFF SPDM 9550 SSD	56,064	1.0	13,722/ 10,529	61 / 9	254,821 / 561,405	2,830,337@2
P78789-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	7,008	1.0	14,200/ 8,600	59 / 7	260,000 / 456,200	3,327,400@1
P78791-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	14,016	1.0	14,200/ 10,000	59 / 7	262,800 / 601,600	3,313,600@5
P78793-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	28,032	1.0	14,200/ 9,900	63 / 7	244,200 / 651,700	3,323,600@5
P85739-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	7,008	1.0	14,223/6,826	62/5	247,256/389,274	3,058,871@(
P85741-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	14,016	1.0	14,251/9,820	52/5	294,927/540,006	3,396,494@(
P85743-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	28,032	1.0	14,248/10,843	52/5	296,622/579,915	3,394,371@(
P85745-B21	HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	56,064	1.0	13,100/10,369	58/6	266,440/297,353	2,859,102@(
P91229-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	7,008	1.0	13,720 / 5,878	70 / 15	215,993 / 310,939	1,202,413@(
P91231-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	14,016	1.0	13,713 / 6,860	70 / 14	215,951 / 302,927	1,175,981@(
P91233-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	28,032	1.0	12,520 / 5,337	92 / 14	165,451 / 273,611	1,174,204@(
NVMe High Performance Self-Encrypting Drives (SED) and Federal Information Processing Standards (FIPS) E3S SSDs							
P70674-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	14,016	1	13,852 / 6,860	70 / 14	215,951 / 302,927	1,175,981@(
P79122-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	28,032	1	12,520 / 5,337	92 / 14	165,451 / 273,611	1,174,204@(
P70669-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	17,520	3	13,852 / 6,802	70 / 15	215,995 / 599,050	1,159,100@(
P70672-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	35,040	3	13,852 / 6,864	70 / 15	216,271 / 527,456	1,199,553@(

Notes:
B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

PCIe/NVMe EDSFF E3.S Power & Height Specifications

PCIe/NVMe EDSFF E3.S - (Power & Height)									
HPE Option Kit SKU	Long Description	Power Idle Time (Watts)	Power Random Read (Watts)	Power Random Write (Watts)	Power Sequential Read (Watts)	Power Sequential Write (Watts)	Power Random R/W (Watts)	Power MAX (Watts)	z-Heigh
NVMe Main Performance Mixed Use EDSFF E3.S SSDs									
P69241-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	3.98	15.94	13.19	17.34	13.91	13.68	17.76	7.5 mm
P69243-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	4.03	18.08	15.20	17.55	17.75	18.70	19.07	7.5 mm
P69245-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 CD8P SSD	4.23	20.57	16.74	19.83	19.75	20.63	21.05	7.5 mm
P77262-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	4.39	14.21	12.48	14.07	12.69	12.64	14.23	7.5 mm
P77265-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	4.31	15.12	14.59	14.02	15.20	15.04	15.23	7.5 mm
P77267-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 EDSFF SPDM PE1030 SSD	4.40	15.32	15.42	14.91	15.18	15.10	15.60	7.5 mm
P85114-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	3.91	7.63	9.60	10.06	8.94	8.92	10.10	7.5 mm
P85117-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	3.98	8.26	12.87	10.26	12.85	8.87	13.02	7.5 mm
P85119-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3S EC1 SPDM 7600 SSD	3.91	7.65	13.72	9.80	12.31	7.96	13.81	7.5 mm
P87715-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	3.91	7.63	9.60	10.06	8.94	8.92	10.10	7.5 mm
P87717-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 Self-encrypting 7600 SSD	3.98	8.26	12.87	10.26	12.85	8.87	13.02	7.5 mm
P91084-B21	HPE 1.6TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	4.39	15.94	13.19	17.34	13.91	13.68	17.76	7.5 mm
P91086-B21	HPE 3.2TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	4.31	18.08	15.20	17.55	17.75	18.70	19.07	7.5 mm
P91088-B21	HPE 6.4TB NVMe Gen5 Mainstream Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	4.40	20.57	16.74	19.83	19.75	20.63	21.05	7.5 mm
NVMe Main Performance Read Intensive EDSFF E3.S SSDs									
P69234-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	3.96	15.91	13.31	17.25	13.80	13.45	17.60	7.5
P69237-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	4.08	17.97	14.93	17.57	17.75	18.37	18.73	7.5
P69239-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	4.10	20.53	16.83	19.50	19.90	20.12	20.94	7.5
P69546-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 CD8P SSD	4.40	23.17	18.82	20.95	23.28	21.58	23.74	7.5
P77269-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	4.39	14.28	12.88	14.19	12.90	12.46	14.29	7.5
P77271-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	4.31	15.19	15.23	14.05	15.28	15.21	15.30	7.5
P77273-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	4.40	15.39	15.26	15.06	15.31	15.57	15.77	7.5
P77275-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PE1010 SSD	4.75	17.08	16.77	17.20	16.78	16.98	17.23	7.5
P78914-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	3.92	10.59	10.22	10.88	9.14	10.46	10.95	7.5
P78917-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	4.14	12.32	13.12	11.02	14.22	13.42	15.00	7.5
P78919-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	3.93	13.46	14.22	11.62	14.70	13.71	15.08	7.5
P78921-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	4.30	14.89	14.76	12.35	15.10	14.17	15.54	7.5
P78923-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF SPDM PM9D3a SSD	4.48	13.80	14.49	11.07	14.97	13.67	15.69	7.5
P79147-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 EDSFF Self-encrypting PM9D3a SSD	4.46	13.98	14.85	11.32	15.71	13.77	16.42	7.5
P85121-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	3.91	7.63	9.60	10.06	8.94	8.92	10.10	7.5
P85124-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	3.98	8.26	12.87	10.26	12.85	8.87	13.02	7.5
P85126-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	3.91	7.65	13.72	9.80	12.31	7.96	13.81	7.5
P85128-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 SPDM 7600 SSD	3.83	8.27	14.11	10.86	12.93	9.06	14.24	7.5
P87719-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	3.91	7.63	9.60	10.06	8.94	8.92	10.10	7.5
P87721-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	3.98	8.26	12.87	10.26	12.85	8.87	13.02	7.5
P87723-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3S EC1 Self-encrypting 7600 SSD	3.91	7.65	13.72	9.80	12.31	7.96	13.81	7.5
P91090-B21	HPE 1.92TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	4.39	15.91	13.31	17.25	13.80	13.45	17.60	7.5
P91092-B21	HPE 3.84TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	4.31	17.97	15.23	17.57	17.75	18.37	18.73	7.5
P91094-B21	HPE 7.68TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	4.40	20.53	16.83	19.50	19.90	20.12	20.94	7.5
P91096-B21	HPE 15.36TB NVMe Gen5 Mainstream Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	4.75	23.17	18.82	20.95	23.28	21.58	23.74	7.5
NVMe Main Performance Very-read-optimized EDSFF E3.S SSDs									
P63930-B21	HPE 3.84TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	4.15	10.03	10.18	10.04	9.37	9.65	10.50	7.7
P63934-B21	HPE 7.68TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	4.19	12.33	14.03	11.67	13.70	12.99	14.10	7.7
P63938-B21	HPE 15.36TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	4.12	14.33	15.95	12.47	20.52	16.90	21.00	7.7
P79065-B21	HPE 30.72TB NVMe Gen4 Mainstream Performance Very Read Optimized E3S EC1 EDSFF P5430 SSD	4.63	14.97	20.14	13.58	21.65	20.22	21.74	7.7
P79615-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	4.7	20.4	21.5	20.2	23.4	20.8	24.8	7.5
P79618-B21	HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized E3.S EC1 EDSFF 6550 SSD	4.8	20.4	21.6	21.1	24	21	25	7.5
P79620-B21	HPE 30.72TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	4.7	20.4	21.5	20.2	23.4	20.8	24.8	7.5
P79623-B21	HPE 61.44TB NVMe Gen5 Mainstream Performance Very Read Optimized EC1 EDSFF Self-encrypting 6550 SSD	4.8	20.4	21.6	21.1	24	21	25	7.5
NVMe High Performance Mixed Use EDSFF E3.S SSDs									
P61191-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM CM7 SSD	4.05	22.14	19.74	19.57	20.73	18.97	24	7.5
P61195-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM CM7 SSD	4.13	23.65	20.52	22.31	23.24	21.26	24	7.5

P70399-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	4.40	18.20	16.69	15.44	17.29	16.91	18.22	7.5
P70401-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	4.40	21.23	20.47	17.30	21.02	20.84	21.57	7.5
P70403-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3S EC1 PS1030 SSD	4.90	23.42	22.93	19.85	22.87	23.13	23.46	7.5
P78784-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	4.02	17.724	16.64	13.08	17.024	15.092	17.78	7.5
P78787-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 PM1755 SSD	4.08	19.416	17.704	13.296	18.312	18.884	19.52	7.5
P77050-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	4.5	10.5	10	12.5	13.2	10.5	14.8	7.5
P77053-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	4.5	10.5	10.3	13.4	19	10.5	20.5	7.5
P77055-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3S EC1 EDSFF SPDM 9550 SSD	4.5	10.6	10.5	14.2	19.5	10.7	20.5	7.5
P85731-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	3.94	21.50	17.60	18.13	19.12	17.91	21.59	7.5
P85733-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	3.97	17.88	16.14	13.45	19.55	17.07	19.87	7.5
P85735-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin PQC27 CM9 SSD	4.60	20.68	17.50	15.65	22.15	20.74	22.78	7.5
P91098-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	4.50	22.14	19.74	19.57	20.73	18.97	24.00	7.5
P91100-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	4.50	23.65	20.52	22.31	23.24	21.26	24.00	7.5
P91102-B21	HPE 12.8TB NVMe Gen5 High Performance Mixed Use E3.S EC1 E3 Thin Multi Vendor SSD	4.90	23.42	22.93	19.85	22.87	23.13	23.46	7.5

NVMe High Performance Read Intensive EDSFF E3.S SSDs									
P57799-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	4.4	22.3	20.8	19.9	21.0	18.7	22.3	7.7 mm
P57803-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	4.5	22.6	20.7	20.4	21.2	19.0	22.6	7.7 mm
P57807-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM PM1743 SSD	4.9	23.5	22.5	20.9	24.6	21.1	24.6	7.7 mm
P61179-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	4.03	22.26	19.6	19.61	20.71	19.04	24	7.5 mm
P61183-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	4.07	23.62	21.51	22.15	23.36	21.26	24	7.5 mm
P61187-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM CM7 SSD	4.41	24.38	23.21	23.32	23.75	22.23	25	7.5 mm
P70392-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	4.40	18.04	16.85	15.40	17.22	16.49	18.07	7.5 mm
P70395-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	4.40	21.21	21.43	17.35	20.91	21.71	21.56	7.5 mm
P70397-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 PS1010 SSD	4.90	23.35	22.90	19.84	22.93	23.08	23.38	7.5 mm
P77057-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	4.5	10.5	10	12.5	13.2	10.5	14.8	7.5 mm
P77059-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	4.5	10.5	10.3	13.4	19	10.5	20.5	7.5 mm
P77061-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD	4.5	10.6	10.5	14.2	19.5	10.7	20.5	7.5 mm
P79965-B21	HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 EDSFF SPDM 9550 SSD	6.43	23.5	18.8	20.1	18.7	20.2	25	7.5 mm
P78789-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	3.16	17.82	16.93	13.11	16.32	15.80	17.88	7.5 mm
P78791-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	3.20	19.24	19.85	13.35	18.44	19.00	20.21	7.5 mm
P78793-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 PM1753 SSD	3.94	21.28	20.78	13.88	19.09	20.33	21.34	7.5 mm
P85739-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	3.74	21.35	18.04	17.96	19.13	17.53	21.41	7.5 mm
P85741-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	3.73	17.94	16.12	13.29	19.43	16.69	19.76	7.5 mm
P85743-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	5.05	21.11	17.97	15.82	22.40	20.24	23.07	7.5 mm
P85745-B21	HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin PQC27 CM9 SSD	4.53	23.20	15.44	17.15	24.06	16.60	24.80	7.5 mm
P91229-B21	HPE 3.84TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	4.50	22.26	19.60	19.61	20.71	19.04	24.00	7.5 mm
P91231-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	4.50	23.62	21.51	22.15	23.36	21.71	24.00	7.5 mm
P91233-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3.S EC1 E3 Thin Multi Vendor SSD	4.90	24.38	23.21	23.32	23.75	23.08	25.00	7.5 mm

NVMe High Performance Self-Encrypting Drives (SED) and Federal Information Processing Standards (FIPS) E3S SSDs									
P70674-B21	HPE 7.68TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	4.07	23.62	21.51	22.15	23.36	21.26	24	7.5 mm
P79122-B21	HPE 15.36TB NVMe Gen5 High Performance Read Intensive E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	4.41	24.38	23.21	23.32	23.75	22.23	25	7.5 mm
P70669-B21	HPE 3.2TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	4.05	22.14	19.74	19.57	20.73	18.97	24	7.5 mm
P70672-B21	HPE 6.4TB NVMe Gen5 High Performance Mixed Use E3S EC1 Self-encrypting FIPS 140-3 CM7 SSD	4.13	23.65	20.52	22.31	23.24	21.26	24	7.5 mm

Notes: B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

NVMe EDSFF E3.S Certifications

– Prequalified certification will be listed in the HPE Selector Tool https://ssd.hpe.com
– For latest vSAN Compatibility, please visit Broadcom vSAN SSD Compatibility Guide and enter specific HPE Part Number to confirm compatibility.
– For latest Windows OS Certification and SDDC (Software Defined Data Center) Premium AQ Certification please visit https://www.windowsservercatalog.com and enter specific HPE Model Number to confirm compatibility.

M.2 Capacity, Workload, Carrier Specifications

M.2s- (Capacity, Workload, Carrier...)										
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)	Flash Type	Server Gen Supported (Select Platforms)
Read Intensive SATA M.2s										
P47818-B21	HPE 480GB SATA 6G Read Intensive M.2 Multi Vendor SSD	480	RI	SATA	M.2	Non-Hot Plug	N/A	Yes	TLC	Gen10,10 Plus, 11

M.2 Speeds and Feeds Specifications

M.2s- (Speeds & Feeds)							
HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Throughput (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	MAX Random Read / MAX Random Write IOPS (4KiB)
Read Intensive SATA M.2s							
P47818-B21	HPE 480GB SATA 6G Read Intensive M.2 Multi Vendor SSD	1,324	1.50	510 / 400	125 / 45	64,000 / 38,000	74,500@Q632 / 39,500@Q256

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

M.2 Power and Height Specifications

M.2s- (Power & Height)									
Read Intensive SATA M.2s									
P47818-B21	HPE 480GB SATA 6G Read Intensive M.2 Multi Vendor SSD	1.20	4.00	4.00	2.75	4.10	2.30	4.10	2280 M.2
Notes: B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.									

M.2s Certifications

– Prequalified certification will be listed in the HPE Selector Tool https://ssd.hpe.com.
– For latest vSAN Compatibility, please visit Broadcom vSAN SSD Compatibility Guide and enter specific HPE Part Number to confirm compatibility.
– For latest Windows OS Certification and SDDC (Software Defined Data Center) Premium AQ Certification please visit https://www.windowsservercatalog.com and enter specific HPE Model Number to confirm compatibility.

M.2 Capacity, Workload, Carrier Specifications

M.2s- (Capacity, Workload, Carrier...)								
HPE Option Kit SKU	Long Description	Capacity	Workload Type	Interface Type	Form Factor	Plug Type	Carrier Type	Digitally Signed Firmware (DS)
P80318-B21	HPE 480GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	480	RI	NVMe	M.2	Non-Hot Plug	N/A	Yes
P80321-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	960	RI	NVMe	M.2	Non-Hot Plug	N/A	Yes
P80324-B21	HPE 1.92TB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	1,920	RI	NVMe	M.2	Non-Hot Plug	N/A	Yes
P80327-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 Self-encrypting PE9010 SSD	960	RI	NVMe	M.2	Non-Hot Plug	N/A	Yes

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Multi-vendor SKUs are composed of numerous vendors manufactured SSDs within a given NVMe M.2 capacity SKU. When ordering a particular SKU-B21 number the customer will receive a homogenous
– Please use HPE Selector Tool https://ssd.hpe.com to determine server compatibility.

M.2 Speeds and Feeds Specifications MULTI VENDOR

M.2s- (Speeds & Feeds) MULTI VENDOR							
HPE Option Kit SKU	Long Description	Lifetime Writes (TB)	Endurance DWPD	MAX Seq Reads / Max Seq Writes Throughput (MiB/s)	Random Read Avg. / Random Write Avg. Latency uSec (4KiB,Q1)	Random Read / Random Writes IOPS (4KiB, Q=16)	MA Ran
P80318-B21	HPE 480GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	893	1.12	7,020 / 1,007	57 / 26	227,730 / 38,082	693,5
P80321-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	1,799	1.12	7,103 / 2,027	57 / 14	242,097 / 73,900	1,097
P80324-B21	HPE 1.92TB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	3,264	1.02	7,022 / 2,416	57 / 12	247,129 / 92,641	1,125
P80327-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 Self-encrypting PE9010 SSD	1,799	1.12	7,103 / 2,027	57 / 14	242,097 / 73,900	1,097

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Multi-vendor SKUs are composed of numerous vendors manufactured SSDs within a given NVMe M.2 capacity SKU. When ordering a particular SKU-B21 number the customer will receive a homogenous
– Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

M.2 Power and Height Specifications MULTI VENDOR

M.2s- (Power & Height) MULTI VENDOR								
HPE Option Kit SKU	Long Description	Power Idle Time (Watts)	Power Random Read (Watts)	Power Random Write (Watts)	Power Sequential Read (Watts)	Power Sequential Write (Watts)	Power Random R/W (Watts)	Power MAX (Watts
P80318-B21	HPE 480GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	2.05	4.16	3.37	4.13	3.34	3.3	4.2
P80321-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	2.13	5.61	4.85	6.03	4.81	4.65	6.3
P80324-B21	HPE 1.92TB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 PE9010 SSD	2.24	6.67	6.23	7.45	6.53	5.42	7.82
P80327-B21	HPE 960GB NVMe Gen4 Mainstream Performance Read Intensive M.2 2280 Self-encrypting PE9010 SSD	2.13	5.61	4.85	6.03	4.81	4.65	6.3

Notes:
– B21 SKU suffix may be replaced with -H21 and/or -K21 to support across different server family lines.
– Multi-vendor SKUs are composed of numerous vendors manufactured SSDs within a given NVMe M.2 capacity SKU. When ordering a particular SKU-B21 number the customer will receive a homogenous
– Please use HPE Selector Tool https://ssd.hpe.comto determine server compatibility.

M.2s Certifications MULTI VENDOR

– Prequalified certification will be listed in the HPE Selector Tool https://ssd.hpe.com
– For latest vSAN Compatibility, please visit Broadcom vSAN SSD Compatibility Guide and enter specific HPE Part Number to confirm compatibility.
– For latest Windows OS Certification and SDDC (Software Defined Data Center) Premium AQ Certification please visit https://www.windowsservercatalog.com and enter specific HPE Model Number to confirm compatibility.

Carrier Key Decoder

HPE Solid State Drives (SSDs) utilize a wide variety of carriers, which houses the SSD and enables a specific chassis fit to support a broad range of HPE server and storage products.

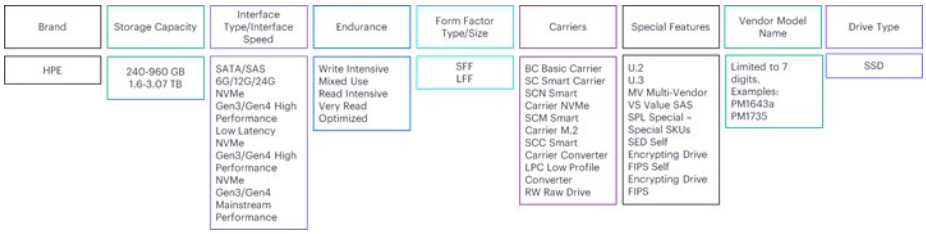
The table below summarizes the various form factors, plug types, and carrier attributes.

SATA/SAS - SFF/LFF - SSD					
Form Factor	Smart or Non-Smart	Hot Plug or Non-Hot Plug	Carrier Name (Abbreviation)	Carrier Abbreviation	Size/Form Factor
SFF Carrier (2.5")	Smart	Hot Plug	Smart Carrier (SC)	SC	SFF
	Non-Smart		Basic Carrier (BC)	BC	SFF
LFF Carrier (3.5")	Smart	Hot Plug	Smart Carrier Converter (SCC)	SCC	LFF
	Non-Smart		Low Profile Converter (LPC)	LPC	LFF
No Carrier	Non-Smart	Non-Hot Plug	Raw No Carrier (RW)	RW	SFF/LFF
NVMe - SFF/AIC SSD					
Form Factor	Smart or Non-Smart	Hot Plug or Non-Hot Plug	Carrier Name (Abbreviation)	Carrier Abbreviation	Size/Form Factor
SFF Carrier (2.5")	Smart	Hot Plug	Smart Carrier NVMe (SCN)	SCN	SFF
			Smart Carrier (SC)	SC	SFF
	Non-Smart		Basic Carrier (BC)	BC	SFF
		Non-Hot Plug	Raw No Carrier (RW)	RW	SFF
NVMe Add-in-Card	Non-Smart	Non-Hot Plug	NVMe Add-in-Card (AIC)	AIC	HHHL
SATA/NVMe - M.2 & Enablement Kits					
Form Factor	Smart or Non-Smart	Hot Plug or Non-Hot Plug	Carrier Name (Abbreviation)	Carrier Abbreviation	Size/Form Factor
SATA M.2 2280	Smart	Hot Plug	Smart Carrier M.2 (SCM)	SCM	SFF
	Non-Smart	Non-Hot Plug	Raw Standalone M.2 (N/A)	N/A	M.2
NVMe M.2 2280	Non-Smart	Non-Hot Plug	Raw Standalone M.2 (N/A)	N/A	M.2
NVMe - EDSFF SSD					
EDSFF E3.S	Smart	Hot Plug	E3.S 1T Thin Carrier (EC1)	EC1	E3.S
EDSFF E3.S	Smart	Hot Plug	E3.S 2T Thick Carrier (EC2)	EC2	E3.S

SAS, SATA, NVMe SSD SKU Decoders

The following charts are provided to assist in decoding the SSD short & long product descriptions; additional details can also be found within the Carrier Key Decoder & the Previous to Current Workload Naming Conversion tables within this document. Please contact product management for any questions.

HPE 960GB SAS 12G Read Intensive SFF SC Value SAS Multi Vendor SSD



SATA/ SAS/ NVMe SSD SKU Decoder Long Name

Notes: If the description exceeds character count:
– Abbreviate Special Features starting from lowest priority item
– Drop form factor from the description
– Abbreviate Endurance with the exception Very-read-optimized

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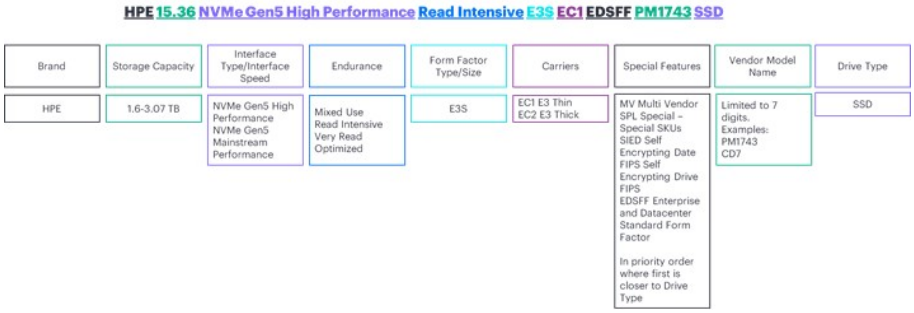
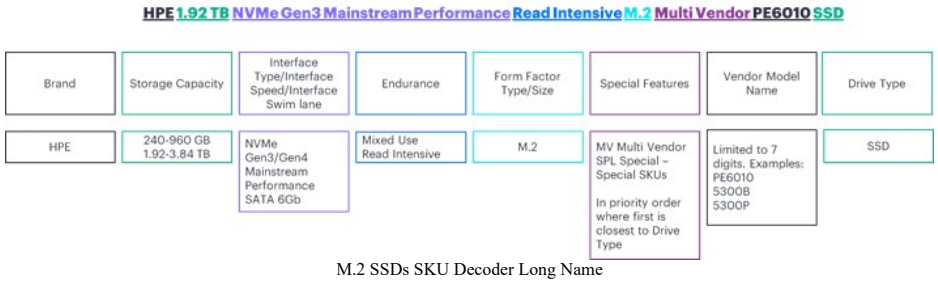


NVMe EDSFF E3.S SSD SKU Decoder Long



M.2 SSDs SKU Decoder Long Name

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

Hewlett Packard Enterprise offers end-of-life product return, trade-in, and recycling programs, in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.
The European Union Waste Electrical and Electronic Equipment Directive [EU WEEE] (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities.
This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise 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.

Summary of Changes

Date	Version History	Action	Description of Change
03-Aug-2026	Version 76	Changed	Technical Specifications section was updated
06-Jul-2026	Version 75	Changed	Technical Specifications section was updated
		Added	7600 and CM9 E3.S and SFF
01-Jun-2026	Version 74	Added	Multivendor NVMe SKUs for E3.S and SFF, PM9D3a, 9550
		Changed	Overview and Technical Specifications sections were updated.
		Removed	HPE NVMe Gen4 High Performance Read Intensive SFF BC U.3 Static PM1573 SSD
04-May-2026	Version 73	Added	Add PM1755/PM1753 SFF and E3.S
05-Jan-2026	Version 72	Changed	Overview and Technical Specifications sections were updated.
		Added	HPE 7.68TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-2 PM7 SSD (P63879-B21) HPE 30.72TB NVMe Gen5 High Performance Read Intensive E3S EC1 EDSFF SPDM 9550 SSD (P79965-B21
01-Dec-2025	Version 71	Changed	Overview and Technical Specifications sections were updated.
		Added	HPE 1.6TB SAS Mixed Use SFF BC Self-encrypting FIPS 140-3 PM7 SSD (P83344-B21) HPE 3.84TB SAS Read Intensive SFF BC Self-encrypting FIPS 140-3 PM7 SSD (P83347-B21)
		Removed	HPE 15.36TB NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static SPDM Multi Vendor SSD
03-Nov-2025	Version 70	Added	HPE NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500b SSD SKUs. (P84239-B21) HPE NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 Static V2 SPDM Multi Vendor SSD (P84236-B21)
02-Sep-2025	Version 69	Changed	Overview section was updated.

		Added	HPE NVMe Gen4 Mainstream Performance Read Intensive SFF BC U.3 SPDM 7500 SSD SKUs. (P84242-B21 and P84244-B21).
07-Jul-2025	Version 68	Changed	Update VMware to Broadcom vSAN
		Removed	SKUs from "What´s New" Table on Page2: P79065-B21, P80318-B21, P80321-B21, P80324-B21.
02-Jun-2025	Version 67	Changed	30TB P5430, V2 MV M.2, and SED M.2 added and the following SKUs were removed: P79122-B21, P51460-B21, P51459-B21, P51461-B21, P51455-B21, P51458-B21
07-Apr-2025	Version 66	Changed	15TB FIPS CM7 added.
18-Feb-2025	Version 65	Changed	Survey added
03-Feb-2025	Version 64	Changed	Overview & What´s New Section was updated PE1010/PE1030 added & Obsolete SKUs were removed
02-Dec-2024	Version 63	Changed	FIPS CM7 SFF/E3S added. Update VSAN and Windows Server Hyperlink
01-Jul-2024	Version 62	Changed	PS1010/PS1030 SFF/E3S added. CD8P E3S added.
03-Jun-2024	Version 61	Changed	U.3ST SPDM MV SFF added
06-May-2024	Version 60	Changed	E3S P5430 added.
04-Mar-2024	Version 59	Changed	PM9A3 M.2 added.
05-Feb-2024	Version 58	Changed	New drive models have been added. Obsolete SKUs have been removed.

Date	Version History	Action	Description of Change
08-Jan-2024	Version 57	Changed	Added PM893a and FIPS PM7. Updated NVMe Main U.3ST Power specs
04-Dec-2023	Version 56	Changed	SFF and E3.S CM7 added. Updated SATA/SAS/VSAS/NVMe/M.2 MV Specifications
05-Sep-2023	Version 55	Changed	MV NVMe main V2 added, Consolidate duplicate SATA data
05-Jun-2023	Version 54	Changed	Micron 5400 1.92TB SED added. E3.S VMware restriction removed
03-Apr-2023	Version 53	Changed	Kioxia and Samsung EDSFF E3.S Added
10-Jan-2023	Version 52	Changed	Micron 5400 SED added. Technical Specifications revised and updated
05-Dec-2022	Version 51	Changed	New drive models have been added. Technical Specifications revised and updated
01-Aug-2022	Version 50	Changed	New drive models have been added. Technical Specifications revised and updated
05-Jul-2022	Version 49	Changed	New drive models have been added. Technical Specifications revised and updated
04-Apr-2022	Version 48	Changed	Overview updated. New drive models have been added. Technical Specifications revised and updated
07-Feb-2022	Version 47	Changed	Technical Specifications section was updated
10-Jan-2022	Version 46	Changed	Technical Specifications section was updated
06-Dec-2021	Version 45	Changed	Technical Specifications section was updated
01-Nov-2021	Version 44	Changed	Technical Specifications section was updated
04-Oct-2021	Version 43	Changed	Technical Specifications section was updated
07-Sep-2021	Version 42	Changed	Technical Specifications section was updated
07-Jun-2021	Version 41	Changed	Tables were fixed and updated
04-May-2021	Version 40	Changed	Technical Specifications section was updated
06-Apr-2021	Version 39	Changed	Tables were fixed and updated
01-Feb-2021	Version 38	Changed	Technical Specifications section was updated
07-Dec-2020	Version 37	Changed	Technical Specifications section was updated
05-Oct-2020	Version 36	Changed	Technical Specifications section was updated
17-Aug-2020	Version 35	Changed	Technical Specifications and Overview Sections were updated
13-Jul-2020	Version 34	Changed	Technical Specifications section was updated
18-May-2020	Version 33	Changed	Tables were fixed and updated
27-Apr-2020	Version 32	Changed	Technical Specifications section was updated
03-Feb-2020	Version 31	Changed	Technical Specifications section was updated
16-Dec-2019	Version 30	Changed	Format Revised
02-Dec-2019	Version 29	Changed	New drive models have been added. Technical Specifications revised and updated
07-Oct-2019	Version 28	Changed	New drive models have been added. Technical Specifications revised and updated
05-Aug-2019	Version 27	Changed	Technical Specifications section was updated
01-Jul-2019	Version 26	Changed	Technical Specifications section was updated
03-Jun-2019	Version 25	Changed	New drive models have been added. Technical Specifications revised and updated
Date	Version History	Action	Description of Change
02-Apr-2019	Version 24	Changed	New drive models have been added. Technical Specifications revised and updated
07-Jan-2019	Version 23	Changed	Technical Specifications section was updated
03-Dec-2018	Version 22	Changed	New drive models have been added. Technical Specifications revised and updated
15-Oct-2018	Version 21	Changed	Technical Specifications Section was updated
01-Oct-2018	Version 20	Changed	New drive models have been added. Technical Specifications revised and updated
06-Aug-2018	Version 19	Changed	New drive models have been added. Technical Specifications revised and updated
02-Jul-2018	Version 18	Changed	Overview and SKU description were updated
04-Jun-2018	Version 17	Changed	New drive models have been added. Technical Specifications revised and updated
02-Apr-2018	Version 16	Changed	New drive models added, Technical Specifications revised and updated
05-Mar-2018	Version 15	Changed	Technical Specifications revised and updated, images revised
05-Feb-2018	Version 14	Changed	Format Revised and new drive models added
04-Dec-2017	Version 13	Changed	New drive model was added Technical Specifications were revised
02-Oct-2017	Version 12	Changed	Technical Specifications were revised
25-Sep-2017	Version 11	Changed	New drive models were added Technical Specifications were revised The title was changed to HPE Solid State Disk Drives (SSD & Add-In Cards)
14-Aug-2017	Version 10	Changed	Technical Specifications were revised
07-Aug-2017	Version 9	Changed	Technical Specifications were revised
17-Jul-2017	Version 8	Changed	Technical Specifications were revised
28-Jun-2017	Version 7	Changed	Technical Specifications were revised

12-Jun-2017	Version 6	Changed	Technical Specifications were revised
06-Jun-2017	Version 5	Changed	Technical Specifications were revised
17-Mar-2017	Version 4	Changed	SSD Selection verbiage was revised
10-Mar-2017	Version 3	Changed	Edits to tables and various verbiage
17-Feb-2017	Version 2	Changed	Technical Specifications were revised
13-Feb-2017	Version 1	New	New QuickSpecs

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