

Overview

HPE Edgeline Solid State Drives

HPE Edgeline M.2 Solid State Disk Drives

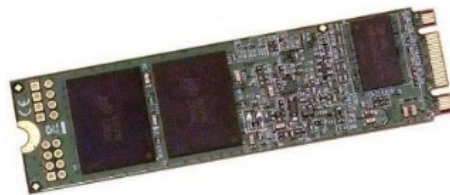
(M.2s and M.2 Expander Kits)

HPE Edgeline M.2s SSD and M.2 Enablement Kits (EKits) are based upon industry leading NAND Flash technology, which delivers exceptional performance and endurance to support a growing broad spectrum of demanding applications with varying workload performance requirements.

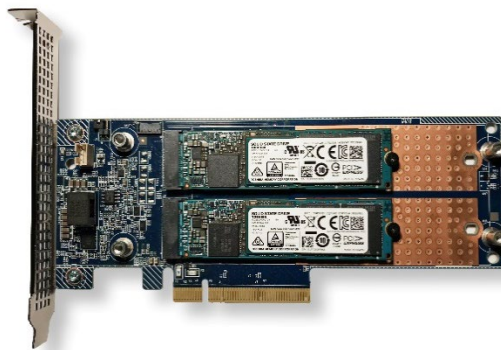
These storage devices offer better I/O latency & more power efficient solutions. The Edgeline M.2 Solid State Drives have been designed and certified for extended ambient temperatures, beyond traditional datacenter requirements (for details see Technical Specifications below)

HPE Edgeline M.2 Enablement Kit

The HPE Edgeline M.2 Enablement Kit is a PCIe 3.0 half height card, which allows for an additional quantity of 2 M.2 SSDs (both 2280 and 2110 SATA or NVMe SSDs). The HPE Edgeline M.2 Enablement Kit can be configured in any of the Edgeline Chassis (see below compatibility matrix for detail information)



HPE Edgeline M.2 Solid State Disk Drives



HPE Edgeline M.2 Enablement Kit

Overview

What's New?

- P44366-B21 HPE Edgeline 120GB SATA 6G Read Intensive M.2 2242 Power Loss Protection Multi Vendor SSD
 - P44368-B21 HPE Edgeline 240GB SATA 6G Read Intensive M.2 2242 Power Loss Protection Multi Vendor SSD
 - P44196-B21 HPE Edgeline 480GB SATA 6G Read Intensive M.2 2242 Power Loss Protection Multi Vendor SSD
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Models

Description

SKU

HPE 256GB NVMe x4 Lanes Read Intensive M.2 2280 1yr Wty Extended Temperature SSD	880262-B21
HPE Edgeline 2TB NVMe x4 Lanes Read Intensive M.2 2280 1yr Wty Extended Temperature SSD	P00375-B21



Standard Features



Firmware Updates

- HPE Digitally Signed Firmware Prevents unauthorized access to your data by providing the 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

Minimally Supported Operating Systems for Edgeline M.2 SSDs

- Please refer to the HPE Software Support Matrix below for the Edgeline Server Blade or System you will be configuring M.2 SSDs [HPE Software Support Matrices](#)

Notes: ¹The EL1000 and EL4000 can support additional M.2 SSD with the HPE Edgeline M.2 Enablement Kit. The EL1000 can support up to Qty.2, and EL4000 can support up to Qty4 of the HPE Edgeline M.2 Enablement Kit (Part Nbr. P07671-B21)

Part Number	Description	EL300	m510	m710x	EL1000 ()	EL4000 ()
P05892-B21	HPE EL 960GB NVMe x4 MU M.2 22110 X Temp SSD		X	X	X	X
P05896-B21	HPE EL 1.92TB NVMe x4 MU M.2 22110 X Temp SSD		X	X	X	X
P05900-B21	HPE EL 3.84TB NVMe x4 MU M.2 22110 X Temp SSD		X	X	X	X
P44366-B21	HPE EL 120GB SATA RI M.2 2242 PLP MV SSD	X	X	X	X	X
P44368-B21	HPE EL 240GB SATA RI M.2 2242 PLP MV SSD	X	X	X	X	X
P44196-B21	HPE EL 480GB SATA RI M.2 2242 PLP MV SSD	X	X	X	X	X
880262-B21	HPE 256GB NVMe x4 RI M.2 2280 X Temp SSD		X	X	X	X
880264-B21	HPE 512GB NVMe x4 RI M.2 2280 X Temp SSD		X	X	X	X
880266-B21	HPE 1TB NVMe x4 RI M.2 2280 X Temp SSD		X	X	X	X
P00375-B21	HPE 2048GB NVMe x4 RI M.2 2280 Extmp SSD		X	X	X	X



Service and Support

HPE Services

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

<https://www.hpe.com/services>

Consulting Services

No matter where you are in your journey to hybrid cloud, experts can help you map out your next steps. From determining what workloads should live where, to handling governance and compliance, to managing costs, our experts can help you optimize your operations.

<https://www.hpe.com/services/consulting>

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HPE runs your IT operations, providing services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

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Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources. Meet service-level targets and business objectives with features designed to drive better business outcomes.

<https://www.hpe.com/services/operational>

HPE Complete Care Service

HPE Complete Care Service is a modular, edge-to-cloud IT environment service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals through a personalized experience. All delivered by an assigned team of HPE Services experts. HPE Complete Care Service provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

<https://www.hpe.com/services/complecare>

HPE Tech Care Service

HPE Tech Care Service is the operational support service experience for HPE products. The service goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Tech Care Service delivers a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Tech Care Service is available in three response levels. Basic, which provides 9x5 business hour availability and a 2-hour response time. Essential which provides a 15-minute response time 24x7 for most enterprise level customers, and Critical which includes a 6-hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>



Service and Support

HPE Lifecycle Services

HPE Lifecycle Services provide a variety of options to help maintain your HPE systems and solutions at all stages of the product lifecycle. A few popular examples include:

- Lifecycle Install and Startup Services: Various levels for physical installation and power on, remote access setup, installation and startup, and enhanced installation services with the operating system.
- HPE Firmware Update Analysis Service: Recommendations for firmware revision levels for selected HPE products, taking into account the relevant revision dependencies within your IT environment.
- HPE Firmware Update Implementation Service: Implementation of firmware updates for selected HPE server, storage, and solution products, taking into account the relevant revision dependencies within your IT environment.
- Implementation assistance services: Highly trained technical service specialists to assist you with a variety of activities, ranging from design, implementation, and platform deployment to consolidation, migration, project management, and onsite technical forums.
- HPE Service Credits: Access to prepaid services for flexibility to choose from a variety of specialized service activities, including assessments, performance maintenance reviews, firmware management, professional services, and operational best practices.

Notes: To review the list of Lifecycle Services available for your product go to:

<https://www.hpe.com/services/lifecycle>

For a list of the most frequently purchased services using service credits, see the [HPE Service Credits Menu](#)

Other Related Services from HPE Services:

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Broad catalogue of course offerings to expand skills and proficiencies in topics ranging from cloud and cybersecurity to AI and DevOps. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

<https://www.hpe.com/services/training>

Defective Media Retention

An option available with HPE Complete Care Service and HPE Tech Care Service and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and services options.

Parts and Materials

HPE will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

How to Purchase Services

Services are sold by Hewlett Packard Enterprise and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
- Customers purchasing from a commercial reseller can find services at <https://ssc.hpe.com/portal/site/ssc/>



Service and Support

AI Powered and Digitally Enabled Support Experience

Achieve faster time to resolution with access to product-specific resources and expertise through a digital and data driven customer experience

Sign into the HPE Support Center experience, featuring streamlined self-serve case creation and management capabilities with inline knowledge recommendations. You will also find personalized task alerts and powerful troubleshooting support through an intelligent virtual agent with seamless transition when needed to a live support agent.

<https://support.hpe.com/hpesc/public/home/signin>

Consume IT On Your Terms

HPE GreenLake edge-to-cloud platform brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake edge-to-cloud platform accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

To learn more about HPE Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE"

<https://www.hpe.com/us/en/contact-hpe.html>

For more information

www.hpe.com/services



Technical Specifications

HPE Option Kit SKU	Long Description	Capacity (GB)	Workload Type	Interface Type	Form Factor	Plug Type	Digitally Signed Firmware (DS)	Drive Writes Per Day	Total Byte Usage
P05892-B21	HPE Edgeline 960GB NVMe x4 Lanes Mixed Use M.2 22110 3yr Wty Extended Temperature SSD	960	MU	NVMe	M.2	NHot Plug		.78	820TB
P05896-B21	HPE Edgeline 1.92TB NVMe x4 Lanes Mixed Use M.2 22110 3yr Wty Extended Temperature SSD	1920	MU	NVMe	M.2	NHot Plug		.78	1640TB
P05900-B21	HPE Edgeline 3.84TB NVMe x4 Lanes Mixed Use M.2 22110 3yr Wty Extended Temperature SSD	3840	MU	NVMe	M.2	NHot Plug		.78	3280TB
P44366-B21	HPE Edgeline 120GB SATA 6G Read Intensive M.2 2242 Power Loss Protection Multi Vendor SSD	120	RI	SATA	M.2	NHot Plug		N/A	146TB
P44368-B21	HPE Edgeline 240GB SATA 6G Read Intensive M.2 2242 Power Loss Protection Multi Vendor SSD	240	RI	SATA	M.2	NHot Plug		N/A	292TB
P44368-B21	HPE Edgeline 480GB SATA 6G Read Intensive M.2 2242 Power Loss Protection Multi Vendor SSD	480	RI	SATA	M.2	NHot Plug		N/A	584TB
880262-B21	HPE 256GB NVMe x4 Lanes Read Intensive M.2 2280 1yr Wty Extended Temperature SSD	256	RI	NVMe	M.2	NHot Plug		.32	90TB
880264-B21	HPE 512GB NVMe x4 Lanes Read Intensive M.2 2280 1yr Wty Extended Temperature SSD	512	RI	NVMe	M.2	NHot Plug		.32	179TB
880266-B21	HPE 1TB NVMe x4 Lanes Read Intensive M.2 2280 1yr Wty Extended Temperature SSD	1000	RI	NVMe	M.2	NHot Plug		.32	350TB
P00375-B21	HPE Edgeline 2TB NVMe x4 Lanes Read Intensive M.2 2280 1yr Wty Extended Temperature SSD	2048	RI	NVMe	M.2	NHot Plug		.32	657TB



Technical Specifications

Part Number	Description	0 to 55c	-30 to 75c	Power Loss Protection (PLP)	Secure Encrypted Drives (SED)
P05892-B21	HPE EL 960GB NVMe x4 MU M.2 22110 X Temp SSD	Y (1)		Y	Y
P05896-B21	HPE EL 1.92TB NVMe x4 MU M.2 22110 X Temp SSD	Y (1)		Y	Y
P05900-B21	HPE EL 3.84TB NVMe x4 MU M.2 22110 X Temp SSD	Y (1)		Y	Y
P44366-B21	HPE EL 120GB SATA RI M.2 2242 PLP MV SSD	Y		Y	
P44368-B21	HPE EL 240GB SATA RI M.2 2242 PLP MV SSD	Y		Y	
P44368-B21	HPE EL 480GB SATA RI M.2 2242 PLP MV SSD	Y		Y	
880262-B21	HPE 256GB NVMe x4 RI M.2 2280 X Temp SSD	Y			
880264-B21	HPE 512GB NVMe x4 RI M.2 2280 X Temp SSD	Y			
880266-B21	HPE 1TB NVMe x4 RI M.2 2280 X Temp SSD	Y			
P00375-B21	HPE 2048GB NVMe x4 RI M.2 2280 Extmp SSD	Y			

Notes: ¹At temperatures >40c some throttling may occur



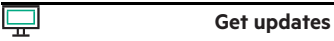
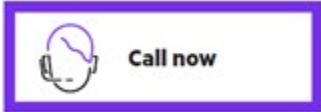
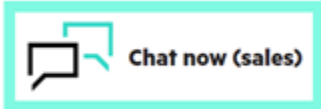
Summary of Changes

Date	Version History	Action	Description of Change
04-Dec-2023	Version 5	Changed	Service and Support section was updated
04-Oct-2021	Version 4	Changed	Service and Support Pointnext Tech Care and Complete Care information updated
07-Sep-2021	Version 3	Changed	Added 480GB PLP Drive and removed 6 DISC drives (4 wide temp for EL300 and 2 that are similar to the new PLP drives). Overview, Standard Features and Technical Specifications sections were updated Service and Support Pointnext Tech Care information added
02-Aug-2021	Version 2	Changed	Added 120GB and 240GB PLP drives (P44366-B21 and P44368-B21) Overview, Standard Features and Technical Specifications sections were updated Obsolete SKU was removed
02-Apr-2019	Version 1	New	New QuickSpecs.



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