

## HPE Boot Device Options

HPE 32GB microSD RAID 1 USB Boot Drive (P21868-B21)



### What's new

- Dedicated hardware RAID 1 OS boot device
- Includes two HPE enterprise-class 480 GB NVMe M.2 SSDs
- Utilizes native in-box OS NVMe drivers
- Hot-plug universal installation (No longer requires a PCIe slot)
- No cables or backplanes required

### Overview

Do you need to simplify data segregation? HPE Boot Device Options offer enterprise customers turnkey, resilient boot solutions that easily segregate the OS from the data storage plane in today's popular OS for virtualized environments—VMware®, Linux®, Windows.

NS204i presents itself to your management interface as a single directly connected NVMe drive, not a RAID controller. As the NS204i is a hardware boot device, only RAID 1 mode is supported and it will not operate in any other RAID mode. NS204i is plug-and-play with no need to configure or manage the device. Always ensure you are running the latest HPE iLO version and update server BIOS, FW and drivers when they become available.

### Features

#### Simple and Secure OS Mirroring Through Dedicated Hardware RAID 1

HPE Boot Device Options is a complete, turnkey optimized that is easy to deploy—no need to configure or format, simply insert and it works, no GUI or user setup required.

Pre-configured RAID 1 boot device utilizes a single HPE Synergy designed card that connects to PCIe connection under drive cages to safely isolate OS from user data in today's popular virtualized environments.

It uses native in-box drive support for VMware, Linux, and Windows OS.

It enables all drive bays to be used for data, greatly reducing server complexity, while providing an economical way for booting in virtualized environments.

**State-of-the-Art, Hardware Accelerated RAID 1 NVMe Boot Device**

HPE enterprise-class NVMe M.2 SSDs deliver enhanced data protection with power loss protection and error correction.

**Increased Storage Density and Dedicated Hardware RAID 1 Resiliency for Boot Device**

HPE Boot Device Options provide separate, redundant disk solutions for the OS that enables a more robust, optimized compute platform.

Dedicated hardware RAID 1 boot device mirroring helps eliminate downtime due to a failed OS drive—even if one drive fails the business continues running.

HPE Boot Devices are certified for VMware and Microsoft Azure Stack HCI for increased flexibility.

**Full Hardware RAID 1 Boot Solution for VMware Environments**

HPE USB flash drive with dual 32 GB microSD cards and on-board RAID 1 boot device deliver redundant OS boot without consuming server storage drive bays.

It is engineered with enterprise-class high-endurance NAND for non-stop data center environments.

It has integrated on-board RAID 1 for customers requiring dual boot solutions.



**Technical specifications****HPE 32GB microSD RAID 1 USB Boot Drive**

<b>Product Number</b>	P21868-B21
<b>Platform supported</b>	HPE Compute Mainstream Platforms, see QuickSpecs for more information
<b>Cache</b>	N/A
<b>RAID levels</b>	Preconfigured hardware RAID 1
<b>Form factor</b>	microSD USB
<b>Usable capacity</b>	32 GB
<b>Compliance</b>	USB specification 2.0
<b>Drive supported</b>	2280 M.2 NVMe SSD, included with kit
<b>PCIe support</b>	Gen3
<b>Battery</b>	N/A
<b>Maximum drives supported</b>	2, included in kit
<b>Warranty</b>	HPE Solid State Drives (SDDs) and add-in cards have a standard 3/0/0 warranty customer self repair (CSR) subject to maximum usage limitations. Maximum usage limit 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.



For additional technical information, available models and options, please reference the [QuickSpecs](#)

### HPE Services

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

#### Consulting services

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

#### Managed services

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

#### Operational services

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

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

#### Lifecycle Services

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

#### HPE Education Services

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

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.


#### HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.


If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

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