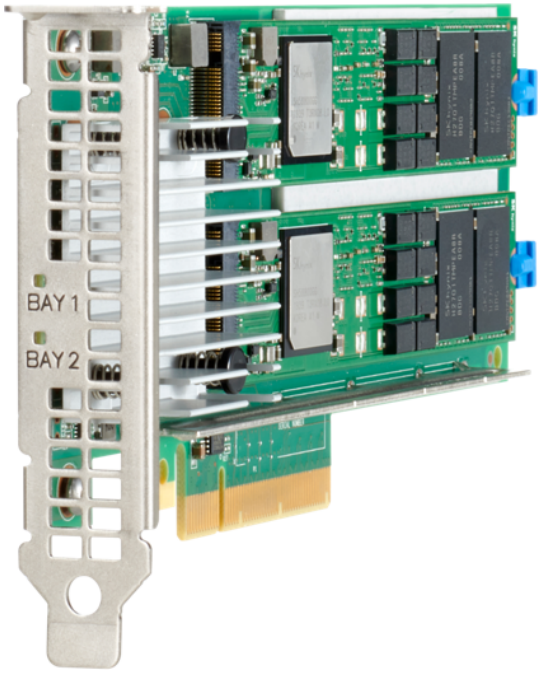
HPE Boot Device Options

HPE NS204i-p x2 Lanes NVMe PCIe3 x8 OS Boot Device (P12965-B21)



What's new

- Dedicated hardware RAID 1 OS boot device
- Two HPE enterprise-class 960 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 solution 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 utilizing a dedicated internal slot, or rear or front-facing installation. For Gen10 plus servers, the boot device utilizes a PCIe slot.

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

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

It has integrated onboard RAID 1 for customers requiring dual boot solutions.

Technical specifications	HPE NS204i-p x2 Lanes NVMe PCIe3 x8 OS Boot Device
Product Number	P12965-B21
Platform supported	HPE Compute Mainstream Platforms, see QuickSpecs for more information
RAID levels	Preconfigured hardware RAID 1
Form factor	PCIe half-height, half-length (HHHL) card
Compliance	RoHS, Lot 9
Drive supported	2280M.2 NVMe SSD, included with kit
PCIe support	Gen3
Maximum drives supported	2
Warranty	3 Years Parts

HPE Services

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

Advisory & Professional services

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

Managed services

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

Support services

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

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

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

HPE Education Services

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

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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