# HPE 12.8TB NVMe Gen4 High Performance Mixed Use SFF SCN U.3 PM1735 SSD (P22274-K21)

## What's new

- HPE 1.6 TB, 3.2 TB, 6.4 TB NVMe High Performance Mixed Use SFF (2.5-inch), U.2, P5620 SSDs
- HPE 1.6 TB, 3.2 TB, 6.4 TB NVMe High Performance Mixed Use SFF (2.5-inch), U.3, PM1735a SSDs

## Overview

Do you need to accelerate the performance of your mixed use applications?

HPE NVMe High Performance Mixed Use (MU) SSDs are best suited for high I/O applications that require a balanced performance between reads and writes to deliver high performance and endurance for data intensive applications. NVMe High Performance MU SSDs communicate directly to applications via the PCIe bus to boost I/O bandwidth and reduce latency.

HPE NVMe High Performance MU SSDs deliver high

performance, lower latency data transfers from storage significantly faster than SAS or SATA SSDs. Utilizes the high bandwidth of PCIe Gen3 and PCIe Gen4 in select servers for mixed use workloads such as Big Data analytics, HPC and virtualization.

HPE SSDs are backed by up to 3.35 million hours of testing and qualification [1] ensuring reliable, high performing drives. HPE Digitally Signed Firmware prevents unauthorized access to data by providing the assurance that drive firmware comes from a trusted source.

## Features

### High Performance, Exceptional Reliability, and Efficiency for Faster Business Results

HPE NVMe High Performance Mixed Use (MU) Solid State Drives are ideal for Big Data analytics, cloud computing, high performance compute, business intelligence, database applications and virtualization.

Achieve higher IOPS and lower latency to enhance the performance of your data center.

Maintain data accuracy with full data-path error detection.

Choose from a broad portfolio of enhanced solutions in a wide variety of capacities.

HPE NVMe High Performance Solid State Drives

### HPE Continues to Enhance its SSD Portfolio by Offering NVMe U.3 PCIe Gen4 SSDs

HPE NVMe PCIe Gen4 U.3 SSDs deliver higher performance for server-storage solutions to better meet the challenges within high performance workloads.

HPE NVMe U.3 PCIe Gen4 SSDs are 100% backwards compatible with NVMe U.2 SSD backplanes on HPE Gen10 servers.

### Self-encrypting FIPS

Supports Self-Encrypting TCG Opal FIPS-140-2.

Protect data if the storage device is physically stolen or subject to inappropriate chain of custody, returned for warranty, repair, expired lease, disposal, or repurposed for other storage duties.

# Technical specifications

# HPE 12.8TB NVMe Gen4 High Performance Mixed Use SFF SCN U.3 PM1735 SSD

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|---|---|
| **Product Number** | P22274-K21 |
| **Lifetime writes** | 68,484 |
| **Endurance DWPD (Drive Writes Per Day)** | 3 |
| **Read IOPS** | Random Read IOPS (4KiB, Q=16)=165,000<br>Max Random Read IOPS (4KiB)=720,000@Q256 |
| **Write IOPS** | Random Write IOPS (4KiB, Q=16) 265,000<br>Max Random Write IOPS (4KiB) 280,000@Q64 |
| **Power (Watts)** | 18.5 |
| **Plug type** | Hot Pluggable |
| **Height** | 15mm |
| **Platform supported** | HPE Disk Enclosures/Apollo 4200/4500 |
| **Product dimensions (metric)** | 21.92 x 22.86 x 14.61 cm |
| **Weight** | 0.5 kg |
| **Warranty** | HPE Solid State Drives and Add-In Cards have a standard 3/0/0 warranty<br>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. |

[1] HPE Internal lab testing. Up to 3.35 million hour test quant is derived from a combination of drive qualification test plans, specifically HDDQ spec-supplier responsibility to perform, HDDQ spec-HPE responsibility to perform, RDT-Reliability Demonstration Test (RDT) spec, CSI integration test spec and pilot test requirements.

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.

Explore **HPE GreenLake**

**Make the right purchase decision. Contact our presales specialists.**

Find a partner

**Chat now (sales)**

**Share now**

**Get updates**



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Hewlett Packard Enterprise