

HPE Mixed Use - SSD - 800 GB - hot-swap

2.5" SFF - PCIe 3.0 x4 (NVMe) - with HPE Smart Carrier NVMe

Group	HDDs
Manufacturer	HPE
Manufacturer item no.	P13668-B21
EAN/UPC	0190017358499



Description

Do you need more performance from your HPE ProLiant Sever series or HPE Synergy platforms? HPE Solid State Drives (SSDs) deliver exceptional performance and endurance while reducing power consumption for customers with applications requiring high random read and write IOPs performance. Categorized by Read Intensive (RI), Mixed Use (MU), and Write Intensive (WI), you can choose the right SSD that tailors to your workload demands. Also, you can prevent data loss and monitor the SSD life with HPE SmartSSD Wear Gauge compatibility in management tools. Leveraging NAND Flash technology, they support HPE ProLiant servers including Gen9 and server storage platforms. Available as Small Form Factor (SFF) and Large Form Factor (LFF) hot plug devices, non-hot plug SFF devices, and SFF Quick Release devices, you have great flexibility in your installation. These drives deliver higher performance, better latency, and more power-efficient solutions when compared with traditional rotating media.

Main features

Product Description	HPE Mixed Use - SSD - 800 GB - PCIe 3.0 x4 (NVMe)
Type	Solid state drive - hot-swap
Capacity	800 GB
NAND Flash Memory Type	Triple-level cell (TLC)
Form Factor	2.5" SFF
Interface	PCIe 3.0 x4 (NVMe)
Features	Digitally Signed Firmware
Dimensions (WxDxH)	1.5 cm
Bundled with	HPE Smart Carrier NVMe
Designed For	Nimble Storage dHCI Large Solution with HPE ProLiant DL380 Gen10, Medium Solution with HPE ProLiant DL360 Gen10, Small Solution with HPE ProLiant DL360 Gen10; ProLiant DL325 Gen10, DL360 Gen10, DL380 Gen10, DL385 Gen10, DL388 Gen10, DL560 Gen10, DL580 Gen10; Synergy 480 Gen10, 660 Gen10

Extended details

General	
Device Type	Solid state drive - hot-swap
Capacity	800 GB
NAND Flash Memory Type	Triple-level cell (TLC)
Form Factor	2.5" SFF
Interface	PCIe 3.0 x4 (NVMe)

Features	Digitally Signed Firmware
Height	1.5 cm
Bundled with	HPE Smart Carrier NVMe
	Performance
Drive Writes Per Day (DWPD)	3.45
SSD Endurance	5037 TB
Internal Data Rate	3300 MBps (read) / 650 MBps (write)
4KB Random Read	230000 IOPS
4KB Random Write	230000 IOPS
	Expansion & Connectivity
Interfaces	1 x PCI Express 3.0 x4 (NVMe)
Compatible Bay	2.5" SFF
	Power
Power Consumption	3.3 Watt (idle) 5.38 Watt (random read) 5.38 Watt (random write) 7.66 Watt (sequential read) 5.39 Watt (sequential write) 5.38 Watt (random read/write) 7.66 Watt (maximum)
	Manufacturer Warranty
Service & Support	Limited warranty - 3 years
	Compatibility Information
Designed For	HPE Nimble Storage dHCI Large Solution with HPE ProLiant DL380 Gen10 (2.5"), Medium Solution with HPE ProLiant DL360 Gen10 (2.5"), Small Solution with HPE ProLiant DL360 Gen10 (2.5") HPE ProLiant DL325 Gen10 Base (2.5"), DL325 Gen10 Plus (2.5"), DL325 Gen10 Plus All-NVMe Flash Node for Qumulo (2.5"), DL325 Gen10 Plus All-NVMe Flash Node for Software Defined Storage (2.5"), DL325 Gen10 Plus for Weka Expansion Tracking (2.5"), DL325 Gen10 Solution (2.5"), DL360 Gen10 All Flash Server for Datera (2.5"), DL360 Gen10 All Flash Server for Weka (2.5"), DL360 Gen10 Compute Server for Cohesity DataPlatform (2.5"), DL360 Gen10 Low (2.5"), DL360 Gen10 Network Choice (2.5"), DL360 Gen10 Performance for Cohesity DataPlatform (2.5"), DL360 Gen10 Premium (2.5"), DL360 Gen10 SMB (2.5"), DL360 Gen10 SMB Network Choice (2.5"), DL360 Gen10 Solution (2.5"), DL380 Gen10 All Flash Server for Datera (2.5"), DL380 Gen10 Entry SMB (2.5"), DL380 Gen10 for Cohesity DataPlatform (2.5"), DL380 Gen10 for SAP HANA Compute Block (2.5"), DL380 Gen10 Hybrid Server for Datera (2.5"), DL380 Gen10 Network Choice (2.5"), DL380 Gen10 Network Choice for CTERA (2.5"), DL380 Gen10 Network Choice for SAP HANA Compute Block (2.5"), DL380 Gen10 NVMe All Flash Server for Datera (2.5"), DL380 Gen10 Server for CTERA (2.5"), DL380 Gen10 SMB (2.5"), DL380 Gen10 SMB Networking Choice (2.5"), DL380 Gen10 Solution (2.5"), DL385 Gen10 (2.5"), DL385 Gen10 Base (2.5"), DL385 Gen10 Entry (2.5"), DL385 Gen10 High-Performance (2.5"), DL385 Gen10 Performance (2.5"), DL385 Gen10 SMB (2.5"), DL385 Gen10 Solution (2.5"), DL388 Gen10 (2.5"), DL560 Gen10 for SAP HANA Compute Block (2.5"), DL580 Gen10 (2.5"), DL580 Gen10 Base (2.5"), DL580 Gen10 Entry (2.5"), DL580 Gen10 Performance (2.5") HPE Synergy 480 Gen10 Compute Module (2.5"), 480 Gen10 w/o Drives Compute Module (2.5"), 660 Gen10 Compute Block (2.5"), 660 Gen10 Compute Module (2.5")

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