

HPE Read Intensive - SSD - 960 GB

hot-swap - 2.5" SFF - SATA 6Gb/s - with HPE Smart Carrier

Group	HDDs
Manufacturer	HPE
Manufacturer item no.	P04564-B21
EAN/UPC	0190017284408



Description

Do you need more performance from your sever or platform? HPE SSDs deliver advanced performance and endurance while reducing power consumption for customers with applications requiring high random read and write IOPs performance.

Main features

Product Description	HPE Read Intensive - SSD - 960 GB - SATA 6Gb/s
Type	Solid state drive - hot-swap
Capacity	960 GB
NAND Flash Memory Type	Multi-level cell (MLC)
Form Factor	2.5" SFF
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Features	Digitally Signed Firmware
Dimensions (WxDxH)	7 mm
Bundled with	HPE Smart Carrier
Designed For	Apollo 4200 Gen9; Nimble Storage dHCI Large Solution with HPE ProLiant DL380 Gen10, Medium Solution with HPE ProLiant DL325 Gen10; ProLiant BL460c Gen9, BL660c Gen9, DL20 Gen10, DL325 Gen10, DL360 Gen9, DL380 Gen10, DL380 Gen9, DL385 Gen10, DL580 Gen9, ML30 Gen10, ML350 Gen10, WS460c Gen9, XL270d Gen9; Synergy 480 Gen10, 680 Gen9

Extended details

General	
Device Type	Solid state drive - hot-swap
Capacity	960 GB
NAND Flash Memory Type	Multi-level cell (MLC)
Form Factor	2.5" SFF
Interface	SATA 6Gb/s
Features	Digitally Signed Firmware
Height	7 mm
Bundled with	HPE Smart Carrier

Drive Writes Per Day (DWPD)	0.8
SSD Endurance	1400 TB
Drive Transfer Rate	600 MBps (external)
Internal Data Rate	535 MBps (read) / 495 MBps (write)
4KB Random Read	65000 IOPS
4KB Random Write	29000 IOPS
Maximum 4KB Random Write	29000 IOPS
Maximum 4KB Random Read	76000 IOPS
Expansion & Connectivity	
Interfaces	1 x SATA 6 Gb/s - 7 pin Serial ATA
Compatible Bay	2.5" SFF
Power	
Power Consumption	1.12 Watt (idle) 2.33 Watt (random read) 2.33 Watt (random write) 1.93 Watt (sequential read) 2.63 Watt (sequential write)
Manufacturer Warranty	
Service & Support	Limited warranty - 3 years
Compatibility Information	
Designed For	HPE Apollo 4200 Gen9 for Google (2.5") HPE Nimble Storage dHCI Large Solution with HPE ProLiant DL380 Gen10 (2.5"), Medium Solution with HPE ProLiant DL325 Gen10 Plus (2.5") HPE ProLiant DL20 Gen10 (2.5"), DL20 Gen10 Entry (2.5"), DL20 Gen10 Performance (2.5"), DL20 Gen10 solution (2.5"), 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 Gen9 High Performance (2.5"), DL380 Gen10 (2.5"), DL380 Gen10 All Flash Server for Datera (2.5"), DL380 Gen10 Base (2.5"), DL380 Gen10 Entry (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 High Performance (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 Performance (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"), DL380 Gen9 Scale-up SAP HANA Tailored Datacenter Integration Compute Block (2.5"), DL380 Gen9 Special (2.5"), DL385 Gen10 Plus (2.5"), DL385 Gen10 Plus Entry (2.5"), DL580 Gen9 SAP HANA Scale-out Base Configuration (2.5"), DL580 Gen9 SAP HANA Scale-up Base Configuration (2.5"), ML30 Gen10 (2.5"), ML30 Gen10 Entry (2.5"), ML30 Gen10 Performance (2.5"), ML30 Gen10 Solution (2.5"), ML350 Gen10 (2.5"), ML350 Gen10 Base (2.5"), ML350 Gen10 Entry (2.5"), ML350 Gen10 High Performance (2.5"), ML350 Gen10 Performance (2.5"), ML350 Gen10 SMB (2.5"), ML350 Gen10 Solution (2.5"), ML350 Gen10 Special Server (2.5"), ML350 Gen10 Sub-Entry (2.5"), XL270d Gen9 (2.5") HPE Synergy 480 Gen10 Plus Base Compute Module (2.5"), 680 Gen9 4S-EX Compute Module (2.5")

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