HPE Read Intensive - Solid state drive

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

Group	HDDs
Manufacturer	HPE
Manufacturer item no.	P04566-B21
EAN/UPC	0190017284422

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 - solid state drive - 1.92 TB - SATA 6Gb/s
Type	Solid state drive - hot-swap
Capacity	1.92 TB
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 DL360 Gen10, Small Solution with HPE ProLiant DL360 Gen10; ProLiant BL460c Gen10, BL460c Gen9, BL660c Gen9, DL20 Gen10, DL325 Gen10, DL360 Gen10, DL360 Gen9, DL380 Gen10, DL380 Gen9, DL385 Gen10, DL388 Gen10, DL580 Gen10, DL580 Gen9, DX360 Gen10, DX380 Gen10, ML30 Gen10, ML350 Gen10, WS460c Gen9, XL270d Gen9; Synergy 480 Gen10, 660 Gen10, 680 Gen9

Extended details

	General
Device Type	Solid state drive - hot-swap
Capacity	1.92 TB
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
	Performance
Drive Writes Per Day (DWPD)	0.8
SSD Endurance	2800 TB
Drive Transfer Rate	600 MBps (external)
Internal Data Rate	535 MBps (read) / 495 MBps (write)
4KB Random Read	64000 IOPS
4KB Random Write	30000 IOPS
Maximum 4KB Random Write	30000 IOPS
Maximum 4KB Random Read	72000 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) ¦ 2.35 Watt (random read) ¦ 2.35 Watt (random write) ¦ 1.84 Watt (sequential read) ¦ 2.65 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 DL360 Gen10 (2.5"), Small Solution with HPE ProLiant DL360 Gen10 (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 (2.5"), DL325 Gen10 Base (2.5"), DL325 Gen10 Entry (2.5"), DL325 Gen10 Performance (2.5"), DL325 Gen10 SMB Solution (2.5"), DL325 Gen10 Solution (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 SMB (2.5"), DL360 Gen10 SMB Network Choice (2.5"), DL360 Gen10 Solution (2.5"), DL360 Gen9 High Performance (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 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 High-Performance (2.5"), DL385 Gen10 Plus (2.5"), DL385 Gen10 Plus Entry (2.5"), DL385 Gen10 SMB (2.5"), DL385 Gen10 Solution (2.5"), DL388 Gen10 (2.5"), DL580 Gen9 SAP HANA Scale-out Base Configuration (2.5"), DX360 Gen10 (2.5"), DX380 Gen10 (2.5"), ML30 Gen10 (2.5"), ML30 Gen10 Entry (2.5"), ML30 Gen10 Performance (2.5"), ML30 Gen10 Solution (2.5"), ML350 Gen10 High Performance (2.5"), ML350 Gen10 SMB (2.5"), ML350 Gen10 Solution (2.5"),

ML350 Gen10 Special Server (2.5") ¦ HPE Synergy 480 Gen10 Compute Module (2.5"), 480 Gen10 Plus Base Compute Module (2.5")

Technical data © CNET Content Solutions. Subject to technical modifications and errors.