

Intel D5 -P4320 U.2 7.68 TB PCI Express 3.1 QLC 3D NAND NVMe

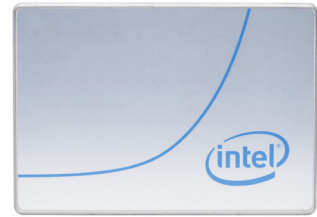
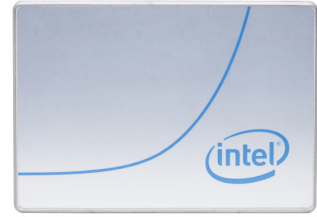
Brand : Intel

Product family: D5

Product code:
SSDPE2NV076T801

Product name : ® SSD D5-P4320 Series (7.68TB, 2.5in PCIe 3.1 x4, 3D2, QLC)

7680 GB, U.2, PCI Express 3.1, NVMe, QLC 3D NAND
Intel D5 -P4320. SSD capacity: 7.68 TB, SSD form factor: U.2, Read speed: 3200 MB/s, Write speed: 1000 MB/s, Component for: Server/workstation



Features	
Security algorithms	256-bit AES
SSD form factor *	U.2
SSD capacity *	7.68 TB
Interface *	PCI Express 3.1
Memory type *	QLC 3D NAND
NVMe *	✓
Component for *	Server/workstation
Hardware encryption *	✓
Read speed	3200 MB/s
Write speed	1000 MB/s
Random read (100% span)	427000 IOPS
Random write (100% span)	36000 IOPS
Read latency	138 µs
Write latency	30 µs
End-to-End Data Protection	✓
Enhanced Power Loss Data Protection technology	✓
SSD temperature monitoring	✓
Temperature monitoring and logging	✓
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read
Mean time between failures (MTBF)	2000000 h
Market segment	Server
SSD ARK ID	186679
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	G162706

Power	
Power consumption (read)	15 W
Power consumption (write)	15 W

Power	
Power consumption (idle)	5 W

Brand-specific features	
Intel® Rapid Start Technology	✗
Intel® Remote Secure Erase	✗
Intel® Smart Response Technology	✗

Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Maximum operating temperature	70 °C
Operating vibration	2.17 G
Non-operating vibration	3.13 G
Operating / non-operating shock	1000G (0.5ms)

Weight & dimensions	
Height	15 mm
Weight	125 g

Logistics data	
Harmonized System (HS) code	84717070

Other features	
Power consumption (active)	15 W
Launch date	Q3'18
Product brief URL	https://nsgresources.intel.com/asset-library/ssd-d5-p4320-series-product-overview-30-3-30
SSD endurance rating	2.8PBW(random), 12.3PBW(sequential)
SSD power consumption (idle)	5W
SSD shock	1000G (0.5ms)
Sequential reading	3200 MB/s
Sequential writing speed	1000 MB/s
Status	Launched
Processor family	Intel SSD D5
Product family	Data center SSD
Product series	Intel® SSD D5-P4320 Series
Product codename	Cliffdale Refresh



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