

Intel SSDPE2KX080T801 internal solid state drive U.2 8 TB PCI Express 3.1 TLC 3D NAND NVMe

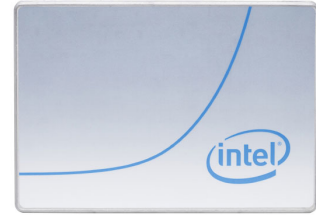
Brand : Intel

Product code: SSDPE2KX080T801

Product name : SSDPE2KX080T801

SSD DC P4510 Series 8.0TB, 2.5in PCIe 3.1 x4, 3D2, TLC

Intel SSDPE2KX080T801. SSD capacity: 8 TB, SSD form factor: U.2, Read speed: 3200 MB/s, Write speed: 3000 MB/s, Component for: Server/workstation



Features		Power	
Security algorithms	256-bit AES	Power consumption (idle)	5 W
SSD form factor *	U.2	Brand-specific features	
SSD capacity *	8 TB	Intel® Rapid Start Technology	✗
Interface *	PCI Express 3.1	Intel® Remote Secure Erase	✗
Memory type *	TLC 3D NAND	Intel® Smart Response Technology	✗
NVMe *	✓	Operational conditions	
Component for *	Server/workstation	Operating temperature (T-T)	0 - 70 °C
Hardware encryption *	✓	Maximum operating temperature	70 °C
Read speed	3200 MB/s	Operating vibration	2.17 G
Write speed	3000 MB/s	Non-operating vibration	3.13 G
Random read (100% span)	641800 IOPS	Operating shock	1000 G
Random write (100% span)	134500 IOPS	Non-operating shock	1000 G
Random latency - read (up to)	95 µs	Operating / non-operating shock	1000G (0.5ms)
Random latency - write (up to)	25 µs	Weight & dimensions	
Read latency	77 µs	Weight	139 g
Write latency	18 µs	Logistics data	
PCI Express interface data lanes	x4	Harmonized System (HS) code	84717070
End-to-End Data Protection	✓	Other features	
Enhanced Power Loss Data Protection technology	✓	Product colour	Silver
SSD temperature monitoring	✓	Power consumption (active)	15 W
Temperature monitoring and logging	✓	Drive capacity	8 TB
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	Launch date	Q1'18
Mean time between failures (MTBF)	2000000 h	SSD endurance rating	Up to 13.88PBW6 (JESD219 workload)
TBW rating	13880	SSD hardware encryption	AES 256 bit
Market segment	Server	SSD power consumption (active)	15
SSD usage tag	Data center	SSD power consumption (idle)	5W
SSD ARK ID	122572	SSD shock	1000G (0.5ms)
Export Control Classification Number (ECCN)	5A992C	SSD weight	139 g
Commodity Classification Automated Tracking System (CCATS)	G162706	Sequential reading	3200 MB/s
Power		Sequential writing speed	3000 MB/s
Power consumption (read)	16 W	Status	Launched
		Last change	63903513
		Product family	Data center SSD
		Product series	Intel® SSD DC P4510 Series

Other features

Product codename

Cliffdale Refresh



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