

Intel SSDPE2KX040T810 internal solid state drive U.2 4 TB PCI Express 3.1 TLC 3D NAND NVMe

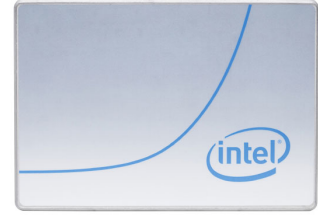
Brand : Intel

Product code: SSDPE2KX040T810

Product name : SSDPE2KX040T810

SSD DC P4510 Series 4.0TB, 2.5in PCIe 3.1 x4, 3D2, TLC, 10 Pack

Intel SSDPE2KX040T810. SSD capacity: 4 TB, SSD form factor: U.2, Read speed: 3000 MB/s, Write speed: 2900 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 *	4 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	3000 MB/s	Operating vibration	2.17 G
Write speed	2900 MB/s	Non-operating vibration	3.13 G
Random read (100% span)	636500 IOPS	Operating shock	1000 G
Random write (100% span)	111500 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	Height	15 mm
Write latency	18 µs	Weight	139 g
PCI Express interface data lanes	x4	Logistics data	
End-to-End Data Protection	✓	Harmonized System (HS) code	84717070
Enhanced Power Loss Data Protection technology	✓	Other features	
SSD temperature monitoring	✓	Product colour	Silver
Temperature monitoring and logging	✓	Power consumption (active)	14 W
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	Drive capacity	4 TB
Mean time between failures (MTBF)	2000000 h	Launch date	Q1'18
TBW rating	6300	SSD endurance rating	6.3 PBW
Market segment	Server	SSD hardware encryption	AES 256 bit
SSD usage tag	Data center	SSD power consumption (active)	14
SSD ARK ID	122579	SSD power consumption (idle)	5W
Export Control Classification Number (ECCN)	5A992C	SSD shock	1000G (0.5ms)
Commodity Classification Automated Tracking System (CCATS)	G162706	SSD weight	139 g
Power		Sequential reading	3000 MB/s
Power consumption (read)	14 W	Sequential writing speed	2900 MB/s
		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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