

Intel SSDPE2KE016T801 internal solid state drive U.2 1.6 TB PCI Express 3.1 TLC 3D NAND NVMe



Brand : Intel

Product code: SSDPE2KE016T801

Product name : SSDPE2KE016T801

1600GB, U.2, PCI Express 3.1, NVMe, 3D TLC

Intel SSDPE2KE016T801. SSD capacity: 1.6 TB, SSD form factor: U.2, Read speed: 3200 MB/s, Write speed: 2080 MB/s, Component for: Server/workstation

Features		Power	
Security algorithms	256-bit AES	Power consumption (write)	14 W
SSD form factor *	U.2	Power consumption (idle)	5 W
SSD capacity *	1.6 TB	Brand-specific features	
Interface *	PCI Express 3.1	Intel High Endurance Technology (HET)	✓
Memory type *	TLC 3D NAND	Intel® Rapid Start Technology	✗
NVMe *	✓	Intel® Remote Secure Erase	✗
Component for *	Server/workstation	Intel® Smart Response Technology	✗
Hardware encryption *	✓	Operational conditions	
Read speed	3200 MB/s	Operating temperature (T-T)	0 - 55 °C
Write speed	2080 MB/s	Maximum operating temperature	55 °C
Random read (4KB)	643000 IOPS	Operating vibration	2.17 G
Random write (4KB)	199000 IOPS	Non-operating vibration	3.13 G
Random read (100% span)	643000 IOPS	Operating shock	1000 G
Random write (100% span)	199000 IOPS	Non-operating shock	100 G
Random latency - read (up to)	95 µs	Operating / non-operating shock	1000G (0.5ms)
Random latency - write (up to)	20 µs	Weight & dimensions	
Sequential latency - read (up to)	12 µs	Width	15 mm
Sequential latency - write (up to)	18 µs	Weight	139 g
Read latency	77 µs	Logistics data	
Write latency	18 µs	Harmonized System (HS) code	84717070
End-to-End Data Protection	✓	Other features	
Enhanced Power Loss Data Protection technology	✓	Power consumption (active)	14 W
SSD temperature monitoring	✓	Drive capacity	1.6 TB
Temperature monitoring and logging	✓	Launch date	Q2'18
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	SSD endurance rating	12.25PBW
Mean time between failures (MTBF)	2000000 h	SSD hardware encryption	AES 256 bit
Market segment	Server	SSD power consumption (active)	14W
SSD ARK ID	140103	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	3200 MB/s
Power consumption (read)	14 W	Sequential writing speed	2080 MB/s
		Status	Launched
		Last change	63903513
		Product family	Data center SSD
		Product series	Intel® SSD DC P4610 Series
		Product codename	Cliffdale Refresh



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