

Intel SSDPE2MX020T401 internal solid state drive 2.5" 2 TB PCI Express 3.0 MLC NVMe

Brand : Intel

Product code: SSDPE2MX020T401

Product name : SSDPE2MX020T401



2TB DC P3500, 20nm, MLC, 2.5", NVMe
 Intel SSDPE2MX020T401. SSD capacity: 2 TB, SSD form factor: 2.5", Read speed: 2700 MB/s, Write speed: 1800 MB/s



Features		Operational conditions	
SSD form factor *	2.5"	Storage temperature (T-T)	-55 - 95 °C
SSD capacity *	2 TB	Maximum operating temperature	35 °C
Interface *	PCI Express 3.0	Operating vibration	2.17 G
Memory type *	MLC	Non-operating vibration	3.13 G
NVMe *	✓	Non-operating shock	1000 G
Read speed	2700 MB/s	Maximum non-operating altitude	12192 m
Write speed	1800 MB/s	Operating / non-operating shock	1000 G/0.5msec
Random read (4KB)	430000 IOPS	Maximum operating altitude	3048 m
Random write (4KB)	28000 IOPS	Technical details	
Random read (8KB)	250000 IOPS	Sustainability certificates	RoHS
Random write (8KB)	14000 IOPS	Weight & dimensions	
Random read (100% span)	430000 IOPS	Width	69.8 mm
Random write (100% span)	28000 IOPS	Depth	100.5 mm
Read latency	20 µs	Height	15 mm
Write latency	20 µs	Weight	125 g
Lithography	20 nm	Logistics data	
PCI Express interface data lanes	x4	Harmonized System (HS) code	8523510000
End-to-End Data Protection	✓	Other features	
Enhanced Power Loss Data Protection technology	✓	Internal	✓
SSD temperature monitoring	✓	Processor lithography	20 nm
Temperature monitoring and logging	✓	Power consumption (active)	25 W
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	Born on date	Q1'15
Mean time between failures (MTBF)	2000000 h	Drive capacity	2 TB
Market segment	Server	Launch date	Q1'15
SSD usage tag	Data center	Product brief URL	http://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/intel-ssd-dc-family-for-pcie-brief.pdf
SSD ARK ID	79633	Product name	Intel SSD DC P3500 Series (2.0TB, 2.5in PCIe 3.0, 20nm, MLC)
Power		SSD endurance rating	1095 TBW
Operating voltage	3.3 V	SSD power consumption (active)	25 W
Power consumption (read)	11 W	SSD power consumption (idle)	4W
Power consumption (write)	25 W	SSD shock	1000 G/0.5msec
Power consumption (idle)	4 W	SSD weight	up to 125gm
Brand-specific features		Sequential reading	2700 MB/s
Intel High Endurance Technology (HET)	✗	Sequential writing speed	1800 MB/s
Operational conditions		Status	Discontinued
Operating temperature (T-T)	0 - 35 °C	Last change	63903513
		Product family	Data center SSD
		Product series	Intel DC P3500
		Product codename	Pleasantdale



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