

Intel DC P3700 2.5" 800 GB PCI Express 3.0 MLC NVMe



Brand : Intel

Product code: SSDPE2MD800G401

Product name : DC P3700

SSD DC P3700 Series (800GB, 2.5in PCIe 3.0, 20nm, MLC)
 Intel DC P3700. SSD capacity: 800 GB, SSD form factor: 2.5", Read speed: 2800 MB/s, Write speed: 1900 MB/s



Features		Operational conditions	
SSD form factor *	2.5"	Operating temperature (T-T)	0 - 70 °C
SSD capacity *	800 GB	Storage temperature (T-T)	-55 - 95 °C
Interface *	PCI Express 3.0	Operating vibration	2.17 G
Memory type *	MLC	Non-operating vibration	3.13 G
NVMe *	✓	Operating shock	1000 G
Read speed	2800 MB/s	Maximum non-operating altitude	12192 m
Write speed	1900 MB/s	Maximum operating altitude	3048 m
Random read (4KB)	460000 IOPS	Technical details	
Random write (4KB)	90000 IOPS	Sustainability certificates	RoHS
Random read (8KB)	285000 IOPS	Weight & dimensions	
Random write (8KB)	45000 IOPS	Height	15 mm
Random read (100% span)	460000 IOPS	Weight	115 g
Random write (100% span)	90000 IOPS	Logistics data	
Read latency	20 µs	Harmonized System (HS) code	84717070
Write latency	20 µs	Other features	
Lithography	20 nm	Product colour	Grey
PCI Express interface data lanes	x4	Internal	✓
End-to-End Data Protection	✓	Processor lithography	20 nm
Enhanced Power Loss Data Protection technology	✓	Born on date	Q2'14
SSD temperature monitoring	✓	Drive capacity	800 GB
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	Launch date	Q2'14
Mean time between failures (MTBF)	2000000 h	Product brief URL	http://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/intel-ssd-dc-family-for-pcie-brief.pdf
Market segment	Server	Product name	Intel SSD DC P3700 Series (800GB, 2.5in PCIe 3.0, 20nm, MLC)
SSD usage tag	Data center	SSD endurance rating	14.6 PBW (JEDEC Workload), 10 DWPD
SSD ARK ID	79627	SSD power consumption (active)	18W (write), 9W (read)
Certification	UL, CE, C-Tick, BSMI, KCC, Microsoft WHQL, VCCI	SSD power consumption (idle)	4W
		SSD shock	1000G/0.5msec
		SSD weight	115gm
		Sequential reading	2800 MB/s
		Sequential writing speed	1900 MB/s
		Status	Discontinued
		Last change	63903513
		Product family	Data center SSD
		Product series	Intel DC P3700
		Product codename	Fulltondale

Power	
Power consumption (idle)	4 W

Brand-specific features	
Intel High Endurance Technology (HET)	✓



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