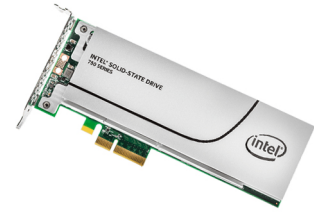


Intel SSDPE2MW012T4M2 internal solid state drive 2.5" 1.2 TB PCI Express 3.0 MLC NVMe

Brand : Intel

Product code: SSDPE2MW012T4M2

Product name : SSDPE2MW012T4M2



SSD 750 Series (1.2TB, 2.5in PCIe 3.0 x4, 20nm, MLC)

[Intel SSDPE2MW012T4M2 internal solid state drive 2.5" 1.2 TB PCI Express 3.0 MLC NVMe:](#)

No-Compromise Storage Has Arrived

Experience the future of storage performance for desktop client and workstation users with the Intel® SSD 750 Series. The Intel SSD 750 Series delivers uncompromised performance by utilizing NVMe Express over four lanes of PCIe 3.0.

With both Add-in Card and 2.5-inch form factors, the Intel SSD 750 Series eases migration from SATA to PCIe 3.0 without power or thermal limitations on performance. The SSD can now deliver the ultimate in performance in several system form factors and configurations.

Intel SSDPE2MW012T4M2. SSD capacity: 1.2 TB, SSD form factor: 2.5", Read speed: 2500 MB/s, Write speed: 1200 MB/s

Features		Brand-specific features	
SSD form factor *	2.5"	Intel® Smart Response Technology	✗
SSD capacity *	1.2 TB	Intel Smart Response Technology version	0.00
Interface *	PCI Express 3.0	Operational conditions	
Memory type *	MLC	Operating temperature (T-T)	0 - 70 °C
NVMe *	✓	Maximum operating temperature	70 °C
Read speed	2500 MB/s	Operating vibration	2.17 G
Write speed	1200 MB/s	Non-operating vibration	3.13 G
Random read (4KB)	460000 IOPS	Operating / non-operating shock	1000
Random write (4KB)	290000 IOPS	Weight & dimensions	
Read latency	20 µs	Weight	125 g
Write latency	20 µs	Logistics data	
Lithography	20 nm	Harmonized System (HS) code	8523510000
PCI Express interface data lanes	x4	Other features	
End-to-End Data Protection	✗	Product colour	Silver
Enhanced Power Loss Data Protection technology	✓	Internal	✓
SSD temperature monitoring	✓	Processor lithography	20 nm
Temperature monitoring and logging	✓	Power consumption (active)	22 W
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	Drive capacity	1.2 TB
Mean time between failures (MTBF)	1200000 h	Launch date	Q2'15
Market segment	Mobile	Product brief URL	http://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/ssd-750-brief.pdf
SSD usage tag	Consumer	Random write (8GB span)	290000 IOPS
SSD ARK ID	86741	SSD endurance rating	70GB per day
Export Control Classification Number (ECCN)	5A992C	SSD power consumption (active)	22
Commodity Classification		SSD power consumption (idle)	4
Automated Tracking System (CCATS)	G149950	SSD shock	1000
		SSD weight	125 g
		Sequential reading	2400 MB/s
		Sequential writing speed	1200 MB/s
		Status	Discontinued
		Random read (8GB span)	440000 IOPS
		Last change	63903513
		Intel Rapid Start Technology version	0.00
		Product family	Consumer SSD
		Product series	Intel 750
		Product codename	Carmel Ridge
Power			
Power consumption (idle)	4 W		
Brand-specific features			
Intel High Endurance Technology (HET)	✗		
Intel® Rapid Start Technology	✗		



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