

Intel Optane SSDPEK1W060GA01 internal solid state drive M.2 58 GB PCI Express 3.0 3D XPoint NVMe



Brand : Intel

Product family: Optane

Product code:
SSDPEK1W060GA01

Product name :
SSDPEK1W060GA01

58 GB, M.2, PCI Express 3.0, NVMe, 3D Xpoint

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Temperature Monitoring and Logging

Temperature Monitoring and Logging uses an internal temperature sensor to monitor and log airflow and device internal temperature. The logged results can be accessed using the SMART command.

End-to-End Data Protection

End-to-End Data Protection ensures integrity of stored data from the computer to the SSD and back.

Intel® Rapid Start Technology

Intel® Rapid Start Technology allows quick system resumes from the hibernate state.

Intel Optane SSDPEK1W060GA01. SSD capacity: 58 GB, SSD form factor: M.2, Read speed: 1450 MB/s, Write speed: 640 MB/s, Component for: PC/Laptop

Features		Brand-specific features	
SSD form factor *	M.2	Intel® Optane™	✓
SSD capacity *	58 GB	Intel® Rapid Start Technology	✓
Interface *	PCI Express 3.0	Operational conditions	
Memory type *	3D XPoint	Operating temperature (T-T)	0 - 85 °C
NVMe *	✓	Maximum operating temperature	85 °C
Component for *	PC/Laptop	Operating vibration	2.17 G
Hardware encryption *	✗	Non-operating vibration	3.13 G
Read speed	1450 MB/s	Operating shock	1000 G
Write speed	640 MB/s	Non-operating shock	1000 G
Random read (4KB)	250000 IOPS	Operating / non-operating shock	1000 G/0.5msec
Random write (4KB)	145000 IOPS	Weight & dimensions	
Random read (100% span)	250000 IOPS	Width	22 mm
Random write (100% span)	145000 IOPS	Height	80 mm
Read latency	7 µs	Weight	10 g
Write latency	18 µs	Logistics data	
End-to-End Data Protection	✓	Harmonized System (HS) code	8471706000
SSD temperature monitoring	✓	Other features	
Temperature monitoring and logging	✓	Power consumption (active)	3.75 W
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁵ bits read	Launch date	Q1'18
Mean time between failures (MTBF)	1600000 h	Random write (8GB span)	145000 IOPS
TBW rating	365	SSD endurance rating	365 TBW
SSD ARK ID	125296	SSD power consumption (idle)	L1.2 : 8mW
Export Control Classification Number (ECCN)	5A992C	SSD shock	1000 G/0.5msec
Commodity Classification Automated Tracking System (CCATS)	G158570	Sequential reading	1450 MB/s
Power		Sequential writing speed	640 MB/s
Power consumption (read)	3.75 W	Status	Launched
Power consumption (write)	3.75 W	Random read (8GB span)	250000 IOPS
		Product codename	Brighton Beach



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