

Intel Consumer SSDPEKNW010T8X1 internal solid state drive M.2 1.02 TB PCI Express 3.0 3D2 QLC NVMe

Brand : Intel

Product family: Consumer

Product code:
SSDPEKNW010T8X1

Product name :
SSDPEKNW010T8X1



- 1024 GB Capacity
- M.2 22 x 80mm Form Factor
- PCIe NVMe 3.0 x4 Interface
- 1024 GB, M.2, PCI Express 3.0, NVMe, 3D2 QLC, Retail

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Intel® Smart Response Technology

Intel® Smart Response Technology combines the fast performance of a small solid state drive with the large capacity of a hard disk drive.

Hardware Encryption

Hardware encryption is data encryption done at the drive level. This is used to ensure that the data stored on the drive is secured from unwanted intrusion.

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 Consumer SSDPEKNW010T8X1. SSD capacity: 1.02 TB, SSD form factor: M.2, Component for: Server/workstation

Features		Brand-specific features	
Security algorithms	256-bit AES	Intel® Rapid Start Technology	✓
SSD form factor *	M.2	Intel® Remote Secure Erase	✗
SSD capacity *	1.02 TB	Intel® Smart Response Technology	✓
Interface *	PCI Express 3.0	Operational conditions	
Memory type *	3D2 QLC	Operating temperature (T-T)	0 - 70 °C
NVMe *	✓	Maximum operating temperature	70 °C
Component for *	Server/workstation	Operating vibration	2.17 G
Hardware encryption *	✓	Non-operating vibration	3.13 G
PCI Express interface data lanes	x4	Operating shock	1000 G
End-to-End Data Protection	✓	Non-operating shock	1000 G
Enhanced Power Loss Data Protection technology	✗	Operating / non-operating shock	1000 G
SSD temperature monitoring	✗	Weight & dimensions	
Temperature monitoring and logging	✗	Width	22 mm
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁵ bits read	Depth	80 mm
Mean time between failures (MTBF)	1600000 h	Weight	10 g
TBW rating	200	Logistics data	
Market segment	Mobile	Harmonized System (HS) code	84717070
SSD ARK ID	149407	Other features	
Export Control Classification Number (ECCN)	5A992C	Internal memory type	PCIe 3.0 x4, NVMe
Commodity Classification Automated Tracking System (CCATS)	G158436	Power consumption (active)	0.1 W
		Launch date	Q3'18
		Random write (8GB span)	220000 IOPS
		SSD endurance rating	200 TBW

Power		Other features	
Power consumption (read)	0.1 W	SSD power consumption (idle)	0.040W
Power consumption (write)	0.1 W	SSD shock	1000 G
Power consumption (idle)	0.04 W	Sequential reading	1800 MB/s
Brand-specific features		Sequential writing speed	1800 MB/s
Intel High Endurance Technology (HET)	✘	Status	Launched
		Random read (8GB span)	150000 IOPS
		Processor family	Intel SSD 660p
		Product series	Intel® SSD 660p Series
		Product codename	Neptune Harbor



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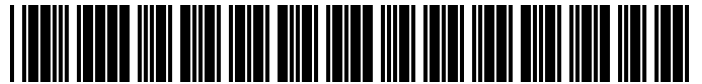
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