

Intel Optane SSDPF21Q032TB01



Brand : Intel

Product family: Optane

Product code:
SSDPF21Q032TB01

Product name :
SSDPF21Q032TB01

3.2TB, 2.5in PCIe x4, 3D XPoint™

Intel Optane SSDPF21Q032TB01. SSD capacity: 3.2 TB, SSD form factor: 2.5", Component for:
Server/workstation

Features		Power	
Security algorithms	256-bit AES	Power consumption (idle)	6.3 W
SSD form factor *	2.5"	Brand-specific features	
SSD capacity *	3.2 TB	Intel® Optane™	✓
Interface *	PCI Express 4.0	Intel High Endurance Technology (HET)	✓
NVMe *	✓	Operational conditions	
Component for *	Server/workstation	Operating temperature (T-T)	0 - 70 °C
Hardware encryption *	✓	Maximum operating temperature	70 °C
Random read (100% span)	1500000 IOPS	Operating vibration	2.17 G
Random write (100% span)	1500000 IOPS	Non-operating vibration	3.13 G
Random latency - read (up to)	5 µs	Weight & dimensions	
Random latency - write (up to)	6 µs	Weight	159 g
Read latency	5 µs	Logistics data	
Write latency	6 µs	Harmonized System (HS) code	8523510000
End-to-End Data Protection	✓	Other features	
Enhanced Power Loss Data Protection technology	✓	Target market	Artificial Intelligence, Cloud Computing, High Performance Computing
SSD temperature monitoring	✓	Internal memory type	PCIe 4.0 x4, NVMe
Mean time between failures (MTBF)	2000000 h	Power consumption (active)	25 W
Export Control Classification Number (ECCN)	5A992C	Launch date	Q4'21
Commodity Classification Automated Tracking System (CCATS)	G162706	SSD endurance rating	100 DWPD
		SSD shock	1000G,0.5ms
		Sequential reading	7200 MB/s
		Sequential writing speed	6350 MB/s
		Status	Launched
		Random read (8GB span)	1500000 IOPS
		Processor family	Intel Optane DC SSD



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