SAMSUNG

Samsung MZ-VAP8T0B 8 TB M.2 PCI Express 5.0 NVMe V-NAND TLC



Brand : Samsung

Product code: MZ-VAP8T0B/AM

Product name : MZ-VAP8T0B

- Experience PCIe Gen 5.0 x4 performance twice as fast as the Gen 4 990 PRO
- Sequential read speeds up to 14,800MB/s ideal for tech enthusiasts, gamers and AI applications
- Smart thermal solution provides consistent and reliable performance
- Available in different capacities up to 8TB
- Five year limited warranty



8 TB, 9100 PRO, PCIe 5.0, NVMe M.2 SSD
Samsung MZ-VAP8T0B. SSD capacity: 8 TB, SSD form factor: M.2, Read speed: 14800 MB/s, Write speed: 13400 MB/s, Component for: PC/Game console

Features	
NVMe version	2.0
Security algorithms	256-bit AES
SSD capacity *	8 TB
SSD form factor *	M.2
Interface *	PCI Express 5.0
NVMe *	✔
Memory type *	V-NAND TLC
Component for *	PC/Game console
Hardware encryption *	✔
M.2 SSD size	2280 (22 x 80 mm)
Read speed	14800 MB/s
Write speed	13400 MB/s
Random read (4KB)	2200000 IOPS
Random write (4KB)	2600000 IOPS
PCI Express interface data lanes	x4
DevSlp (device sleep) support	✔
S.M.A.R.T. support	✔
TRIM support	✔

Features	
Mean time between failures (MTBF)	1500000 h
Power	
Operating voltage	3.3 V
Power consumption (read)	10.5 W
Power consumption (write)	8.8 W
Power consumption (idle)	0.009 W
Power consumption DevSlp (device sleep)	8.6 mW
Weight & dimensions	
Width	80.2 mm
Depth	3.88 mm
Height	80.2 mm
Packaging data	
Package type	Box
Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Operating shock	1500 G
Other features	
Warranty period	5 year(s)

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