SAMSUNG

Samsung 9100 PRO PCIe® 5.0 NVMe™ M.2 SSD - 2 TB

Brand : Samsung

Product code: MZ-VAP2T0BW

Product name : 9100 PRO PCIe® 5.0 NVMe™ M.2 SSD - 2 TB



- Samsung NVMe SSD powered by V-NAND technology
- Up to 14,800 MB/s sequential read and 13,400 MB/s write speed
- Upto 2,200K IOPS random read and 2,600K IOPS random write speed

9100 PRO, PCIe 5.0, NVMe M.2 SSD

Samsung 9100 PRO PCIe® 5.0 NVMe™ M.2 SSD - 2 TB. SSD capacity: 2 TB, SSD form factor: M.2, Read speed: 14700 MB/s, Write speed: 13400 MB/s, Component for: PC/Game console



Features	
NVMe version	2.0
Security algorithms	256-bit AES
SSD capacity *	2 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	14700 MB/s
Write speed	13400 MB/s
Random read (4KB)	1850000 IOPS
Random write (4KB)	2600000 IOPS
PCI Express interface data lanes	x4
DevSlp (device sleep) support	✔
S.M.A.R.T. support	✔
TRIM support	✔
Mean time between failures (MTBF)	1500000 h

Power	
Operating voltage	3.3 V

Power	
Power consumption (read)	8.1 W
Power consumption (write)	7.9 W
Average power consumption (read)	8.1 W
Average power consumption (write)	7.9 W
Power consumption (idle)	0.005 W
Power consumption DevSlp (device sleep)	4 mW

Weight & dimensions	
Width	80.2 mm
Depth	2.38 mm
Height	80.2 mm
Weight	9 g

Packaging data	
Package width	149 mm
Package depth	100 mm
Package height	24 mm
Package weight	70 g
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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Catalog Object Cloud

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