SAMSUNG

Samsung MZ-V9S1T0 1 TB M.2 PCI Express 4.0 NVMe V-NAND TLC

Brand : Samsung

Product code: MZ-V9S1T0BW

Product name : MZ-V9S1T0



- Supported by the latest PCIe® 4.0 x4 and PCIe® 5.0 x2 interfaces, offering flexibility for current and future computing.
- Sequential read speeds of up to 7,250MB/s to meet the demands of business and creative work.
- Available in different capacities up to 4TB.
- Power efficient design puts less burden on your PC's battery life.
- Smart thermal solution provides consistent and reliable performance.
- Five year limited warranty.

MZ-V9S1T0BW

Samsung MZ-V9S1T0. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 7150 MB/s, Write speed: 6300 MB/s, Component for: PC



Features	
NVMe version	2.0
Security algorithms	256-bit AES
SSD capacity *	1 TB
SSD form factor *	M.2
Interface *	PCI Express 4.0
NVMe *	✔
Memory type *	V-NAND TLC
Component for *	PC
Hardware encryption *	✔
M.2 SSD size	2280 (22 x 80 mm)
Read speed	7150 MB/s
Write speed	6300 MB/s
Random read (4KB)	850000 IOPS
Random write (4KB)	1350000 IOPS
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)	4.3 W
Power consumption (write)	4.2 W
Average power consumption (read)	4.3 W
Average power consumption (write)	4.2 W
Power consumption (idle)	0.06 W
Power consumption DevSlp (device sleep)	5 mW
Weight & dimensions	
Width	80.2 mm
Depth	2.38 mm
Height	80.2 mm
Weight	9 g
Packaging data	
Package width	145 mm
Package depth	100 mm
Package height	24 mm
Package weight	68 g
Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Operating shock	1500 G

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Publication date: 23-NOV-2026. Prints or copies of Information are only valid on the printed Publication date