

Samsung 990 EVO 1 TB M.2 PCI Express 4.0 NVMe V-NAND TLC

Marke : Samsung

Artikel-Code: MZ-V9E1T0BW

Produktname : 990 EVO



- Geeignet für leistungsstarke PCs, schlanke Laptops und Spielekonsolen
 - Kompatibel mit PCIe® 4.0 x4 und PCIe® 5.0 x2
 - Moderne V-NAND Speichertechnologie
 - Sequenzielle Lese- und Schreibgeschwindigkeit von bis zu 5.000/4.200 MB/s
 - Energieeffizient: Um 70% pro Watt verbesserte Leistung gegenüber der 970 EVO Plus
 - Smartes Temperatur-Management für konstant hohe Leistung
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Samsung 990 EVO. SSD Speicherkapazität: 1 TB, SSD-Formfaktor: M.2, Lesegeschwindigkeit: 5000 MB/s, Schreibgeschwindigkeit: 4200 MB/s, Komponente für: Universal

Features		Power	
NVMe version	2.0	Power consumption (read)	4.9 W
Security algorithms	256-bit AES	Power consumption (write)	4.5 W
SSD capacity *	1 TB	Power consumption (sleep)	0.005 W
SSD form factor *	M.2	Power consumption (idle)	0.06 W
Interface *	PCI Express 4.0	Weight & dimensions	
NVMe *	✓	Width	80.2 mm
Memory type *	V-NAND TLC	Depth	22.1 mm
Component for *	Universal	Height	2.38 mm
Hardware encryption *	✓	Weight	9 g
M.2 SSD size	2280 (22 x 80 mm)	Packaging data	
Read speed	5000 MB/s	Package type	Box
Write speed	4200 MB/s	Operational conditions	
PCI Express interface data lanes	x4	Operating temperature (T-T)	0 - 70 °C
PCI Express CEM revision	4.0	Storage temperature (T-T)	-40 - 85 °C
S.M.A.R.T. support	✓	Operating relative humidity (H-H)	5 - 95%
TRIM support	✓	Storage relative humidity (H-H)	5 - 95%
Mean time between failures (MTBF)	1500000 h	Non-operating vibration	20 G
TBW rating	600	Non-operating shock	1500 G
Power		Other features	
Operating voltage	3.3 V	Warranty period	5 year(s)



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