SAMSUNG

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



Marke : Samsung

Artikel-Code: MZ-V9E2T0BW

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: 2 TB, SSD-Formfaktor: M.2, Lesegeschwindigkeit: 5000 MB/s, Schreibgeschwindigkeit: 4200 MB/s, Komponente für: PC

Merkmale	
NVMe Version	2.0
Unterstützte Sicherheitsalgorithmen	256-bit AES
SSD Speicherkapazität *	2 TB
SSD-Formfaktor *	M.2
Schnittstelle *	PCI Express 4.0
NVMe *	✔
Speichertyp *	V-NAND TLC
Komponente für *	PC
Hardwareverschlüsselung *	✔
M.2 SSD- Größe	2280 (22 x 80 mm)
Lesegeschwindigkeit	5000 MB/s
Schreibgeschwindigkeit	4200 MB/s
Zufälliges Lesen (4KB)	700000 IOPS
Zufälliges Schreiben (4KB)	800000 IOPS
PCI-Expressschnittstelle Daten-Lanes	x4
DevSlp (Geräteschlaf)-Unterstützung	✔
PCI Express CEM Revision	4.0
S.M.A.R.T. Unterstützung	✔
TRIM-Unterstützung	✔
Mittlere Betriebsdauer zwischen Ausfällen (MTBF)	1500000 h
TBW-Bewertung	1200

Energie	
Arbeitsspannung	3,3 V
Energieverbrauch (lesen)	5,5 W
Energieverbrauch (schreiben)	4,7 W
Stromverbrauch (Sleep-Modus)	0,005 W
Energieverbrauch (idle)	0,06 W
Leistungsaufnahme DevSlp (Geräte Schlaf)	5 mW

Gewicht und Abmessungen	
Breite	80 mm
Tiefe	2,38 mm
Höhe	22 mm
Gewicht	9 g

Verpackungsdaten	
Verpackungsart	Box

Betriebsbedingungen	
Betriebstemperatur	0 - 70 °C
Temperaturbereich bei Lagerung	-40 - 85 °C
Relative Luftfeuchtigkeit in Betrieb	5 - 95%
Luftfeuchtigkeit bei Lagerung	5 - 95%
Vibrationen außer Betrieb	20 G
Stoßfestigkeit in Betrieb	1500 G
Stoßfestigkeit außer Betrieb	1500 G

Sonstige Funktionen	
Garantiezeit	5 Jahr(e)

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