SAMSUNG

Samsung 970 PRO 1 TB M.2 PCI Express 3.0 NVMe V-NAND MLC

Marke : Samsung

Artikel-Code: MZ-V7P1T0BW

Produktname : 970 PRO



- Leistungsstarke NVMe™ SSD für schreibintensive Arbeitslasten
- Moderne V-NAND Speichertechnologie im kompakten M.2-Formfaktor (2280)
- Hohe Datentransfergeschwindigkeiten von bis zu 3.500 MB/s
- Samsung Phoenix-Controller mit bis zu 1 GB LPDDR4-SDRAM

MZ-V7P1T0BW
Samsung 970 PRO. SSD Speicherkapazität: 1 TB, SSD-Formfaktor: M.2, Lesegeschwindigkeit: 3500 MB/s, Schreibgeschwindigkeit: 2700 MB/s, Komponente für: PC



Merkmale	
NVMe Version	1.3
NAND Blitz-Typ	MLC (Multi Level Cell)
Unterstützte Sicherheitsalgorithmen	256-bit AES
SSD Speicherkapazität *	1 TB
SSD-Formfaktor *	M.2
Schnittstelle *	PCI Express 3.0
NVMe *	✔
Speichertyp *	V-NAND MLC
Komponente für *	PC
M.2 SSD- Größe	2280 (22 x 80 mm)
Lesegeschwindigkeit	3500 MB/s
Schreibgeschwindigkeit	2700 MB/s
Zufälliges Lesen (4KB)	500000 IOPS
Zufälliges Schreiben (4KB)	500000 IOPS
Controller Typ	Samsung Phoenix
PCI-Expressschnittstelle Daten-Lanes	x4
DevSlp (Geräteschlaf)-Unterstützung	✔
S.M.A.R.T. Unterstützung	✔
TRIM-Unterstützung	✔
Mittlere Betriebsdauer zwischen Ausfällen (MTBF)	1500000 h
Opal SSC 2.0	✔
TCG Opal 2.0	✔

Energie	
Arbeitsspannung	3,3 V
Energieverbrauch (lesen)	5,2 W

Energie	
Energieverbrauch (schreiben)	5,7 W
Stromverbrauch (max.)	8,5 W
Stromverbrauch (durchschnittl.)	5,7 W
Energieverbrauch (idle)	0,03 W
Leistungsaufnahme DevSlp (Geräte Schlaf)	5 mW

Gewicht und Abmessungen	
Breite	80,2 mm
Tiefe	22,1 mm
Höhe	22,1 mm
Gewicht	8 g

Betriebsbedingungen	
Betriebstemperatur	0 - 70 °C
Temperaturbereich bei Lagerung	-45 - 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	
Produktfarbe	Schwarz
Startdatum	4/16/2018
Konformitätsbescheinigungen	RoHS

Logistikdaten	
Warentarifnummer (HS)	84717070

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