SAMSUNG

Samsung 990 PRO 1 TB M.2 PCI Express 4.0 NVMe V-NAND MLC

Brand : Samsung

Product code: MZ-V9P1T0B/AM

Product name : 990 PRO



- Designed for tech enthusiasts, hardcore gamers and heavy-workload professionals who want blazing fast speed
- Enjoy up up to 50% improved performance per watt over 980 PRO, plus optimal power efficiency with max PCIe®4.0 performance
- Sequential read/write speeds up to 7,450/6,900 MB/s

1 TB, M.2, PCIe Gen 4.0 x4, NVMe 2.0, V-NAND MLC
Samsung 990 PRO. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 7450 MB/s, Write speed: 6900 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 MLC
Component for *	PC
Hardware encryption *	✔
M.2 SSD size	2280 (22 x 80 mm)
Read speed	7450 MB/s
Write speed	6900 MB/s
Random read (4KB)	1200000 IOPS
Random write (4KB)	1550000 IOPS
PCI Express interface data lanes	x4
DevSlp (device sleep) support	✔
S.M.A.R.T. support	✔
TRIM support	✔
External DDR cache	✔

Features	
External DDR cache quantity	1024 MB
Mean time between failures (MTBF)	1500000 h
Power	
Operating voltage	3.3 V
Power consumption (average)	5.4 W
Power consumption (idle)	0.05 W
Weight & dimensions	
Width	80 mm
Depth	2.3 mm
Height	22 mm
Weight	9 g
Packaging data	
Package type	Box
Operational conditions	
Operating temperature (T-T)	0 - 70 °C
Minimum operating temperature	0 °C
Maximum operating temperature	70 °C
Operating shock	1500 G

0887276657004

887276657004

Catalog Object Cloud

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.

Publication date: 31-OCT-2026. Prints or copies of Information are only valid on the printed Publication date