

Samsung 970 PRO Mini PCI Express 512 GB PCI Express 3.0 V-NAND MLC NVMe

Brand : Samsung

Product code: MZ-V7P512E

Product name : 970 PRO



- NVMe speeds up sequential and random read/write performance
- Compact M.2 form factor ready for high-end computing
- Samsung Magician software for SSD management, including automatic firmware updates
- Ideal for high-performance client PC applications (not designed for server or data center applications and warranty does not support such usage)

NVMe M.2 Client SSD for Business

Samsung 970 PRO. SSD capacity: 512 GB, SSD form factor: Mini PCI Express, Read speed: 3500 MB/s, Write speed: 2300 MB/s, Component for: PC



Features		Features	
NVMe version	1.3	TRIM support	✓
Security algorithms	256-bit AES	Mean time between failures (MTBF)	1500000 h
SSD form factor *	Mini PCI Express	Power	
SSD capacity *	512 GB	Operating voltage	3.3 V
Interface *	PCI Express 3.0	Power consumption (max)	8.5 W
Memory type *	V-NAND MLC	Power consumption (average)	5.2 W
NVMe *	✓	Power consumption (idle)	0.03 W
Component for *	PC	Operational conditions	
Hardware encryption *	✓	Operating temperature (T-T)	0 - 70 °C
Read speed	3500 MB/s	Weight & dimensions	
Write speed	2300 MB/s	Width	80.2 mm
Random read (4KB)	370000 IOPS	Depth	2.38 mm
Random write (4KB)	500000 IOPS	Height	22.1 mm
S.M.A.R.T. support	✓	Weight	8 g

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.

Publication date: 10-JAN-2024. Prints or copies of Information are only valid on the printed Publication date