

Blistering performance

Reach max performance of PCIe® 4.0¹. Experience longer-lasting, opponent blasting speed. The in-house controller's smart heat control delivers our best power efficiency while maintaining ferocious performance that always keeps you at the top of your game.



- 1TB** MZ-V9P1T0B/AM | UPC 887276657004
- 2TB** MZ-V9P2T0B/AM | UPC 887276657011
- 4TB** MZ-V9P4T0B/AM | UPC 887276795195

Key Features

Performance

Get random read/write speeds that are 40%/55% faster than 980 PRO. Experience up to 1600K/1550K IOPS, while sequential read/write speeds up to 7450/6900 MB/s reach near the max performance of PCIe® 4.0². Fly high in gaming, video editing, 3D modeling, data analysis and more.



Thermal Control

Samsung's own nickel-coated high-end controller delivers effective thermal control and helps prevent sudden performance drops from overheating.



Winning Combination



Samsung Magician Software

Get the most out of your SSD with Samsung Magician's advanced yet intuitive optimization tools. Monitor drive health, protect valuable data, receive important updates for your 990 PRO. It's your personal SSD toolkit.



Power Efficiency

Get more performance while using less power. Enjoy up to 50% improved performance per watt over 980 PRO⁵.





Specifications

Source: 2003-2022 OMDIA data: NAND suppliers' revenue market share.

Interface PCIe® Gen.4 X4, NVMe™ 2.0

Form Factor M.2 (2280), Heatsink

Hardware	NAND	DRAM
	V7 V-NAND TLC V8 V-NAND TLC	1GB LPDDR4 (1TB) 2GB LPDDR4 (2TB) 4GB LPDDR4 (4TB)
Controller	In-House	

1TB

2TB

4TB

990 PRO: Gen4 PCIe® NVMe™ SSD

Capacity 1TB/2TB/4TB

Sequential Read/Write (MB/s) Up to 7,450/6,900

Random Read/Write (IOPS, QD32) Up to 1,600k

Device Sleep 5.8 mW

Data Encryption Class 0 (AES 256), TCG/Opal v2.0, MS eDrive (IEEE1667)

Total Bytes Written 600 TBW (1TB)
1,200 TBW (2TB)
2,400 TBW (4TB)

Warranty Limited 5-year

