

SAMSUNG

990 EVO Plus

Gen 4x4 | Gen 5x2 PCIe® NVMe™ SSD

Faster Performance. Massive Storage.

With faster read/write speeds, larger storage capacity and more efficient power/thermal control than the 990 EVO*, the 990 EVO Plus is the perfect productivity boost to help you tackle a busy day.



1TB

MZ-V9S1T0B/AM | UPC 887276843711

2TB

MZ-V9S2T0B/AM | UPC 887276843674

4TB

MZ-V9S4T0B/AM | UPC 887276843667

Key Features

Read/Write Speeds up to 7,250/6,300 MB/s*



The 990 EVO Plus features the latest NAND memory, boosting sequential read/write speeds up to 7,250/6,300MB/s*. Ideal for huge file transfers and finishing tasks faster than ever.

Up to 4TB Capacity



Harness the full power of your drive with our first ever 4TB DRAMless SSD, featuring the enhanced performance of Intelligent TurboWrite 2.0. The 990 EVO Plus is the ideal booster for handling large files and complex graphics, ensuring smooth and fast performance every time.

Power Efficiency and Thermal Control



Keep your cool as you work—or play—with no worries about overheating or battery life. The efficiency-boosting nickel-coated controller allows the 990 EVO Plus to utilize less power while achieving similar performance.

PCIe 4.0 and Gen 5.0



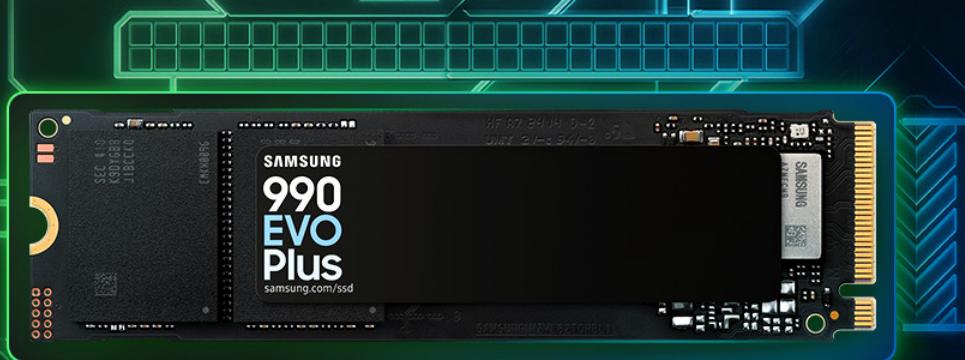
Optimized to support the latest technology for SSDs—990 EVO Plus is compatible with PCIe 4.0 x4 and PCIe 5.0 x2.

Always Up-to-Date via Magician Software



It's not hocus-pocus. Your 990 EVO Plus SSD performs like new with the always up-to-date Magician Software. With firmware updates, extra encryption and continual monitoring of your drive health, it works like a charm.

* Sequential and random write performance was measured with Intelligent Turbo Write technology being activated. Intelligent Turbo Write operates only within a specific data transfer size. Performance may vary depending on SSD's firmware, system hardware & configuration and other factors. For detailed information, please contact your local service center. Test system configuration: AMD Ryzen9 7950x 16-Core Processor CPU@4.5GHz, DDR5 4800MHz 16GBx2 (PC5-38400), OS-Windows 11 Pro 64bit, Chipset -ASRockX670E Taichi. To maximize the performance of the 990 EVO Plus, please check whether your system supports PCIe 4.0 or PCIe 5.0 at the Intel or AMD website.



Specifications

Source: 2003–2023 OMDIA data: NAND suppliers' revenue market share.

Interface PCIe® 4.0 x4 / 5.0 x2 NVMe™ 2.0

Form Factor M.2 (2280)

Hardware V NAND TLC (V8) Cache Memory Host Memory Buffer
Controller In-House

Capacity 1TB/2TB/4TB

Sequential Read/Write (MB/s) Up to 7,250/6,300

Random Read/Write (IOPS,QD32) Up to 1,050/1,400KIOPS

Idle (PS3 – APST on / PS4 – L1.2) Typical 60mW / Typical 5mW

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

1TB

2TB

4TB

**990 EVO Plus: Gen5
PCIe® NVMe™ SSD**

