

Essential storage for everyday tasks

Enjoy dependable performance with storage designed for day to day tasks. Our most power efficient SSD yet offers read/write speeds up to 7,250/6,450 mb/s¹ for seamless file transfers and smooth gameplay.



1TB

MZ-V9V1T0B/AM | UPC 198957280818

2TB

MZ-V9V2T0B/AM | UPC 198957280801

Key Features

Read/Write Speeds up to 7,250/6,450 MB/s

Spend less time waiting and more time creating, gaming, and multitasking with up to 7,250/6,450 MB/s sequential read/write speeds and up to 850K/1,200K IOPS random read/write speeds¹.

Load games quickly, install updates smoothly, transfer high-resolution files, and enjoy smooth, responsive performance across everyday tasks.

Versatility

Keep every adventure installed, every save securely stored, and every project ready when inspiration strikes. With massive storage for your favorite games, creative projects, and personal files, uninstalling becomes optional.

Build with confidence

Equip your system with dependable high-speed storage and additional capacity. Simple, reliable, and responsive, it's a smart choice for new PC builds and PC upgrades.

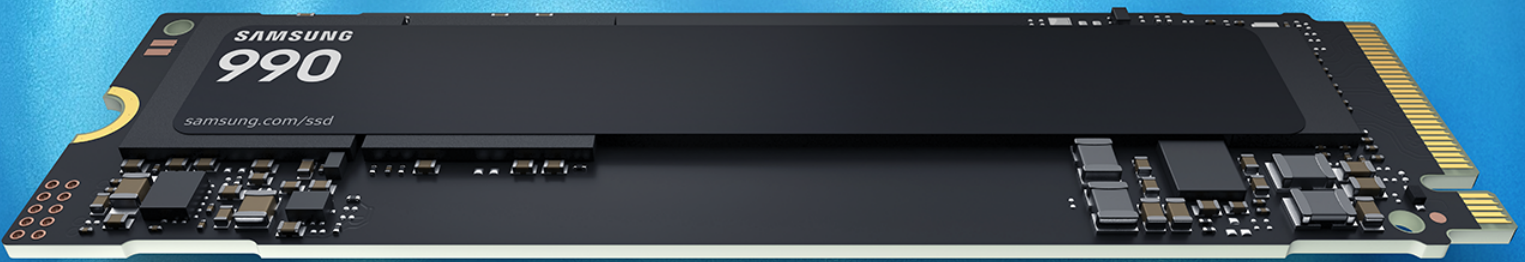
Power Efficiency

Strike the right balance between performance and power consumption with up to 38% improved performance per watt over the 990 PRO². Thanks to optimized power usage, easily handle games, large files, and everyday workloads on laptops and PCs while supporting smooth, responsive workflows.

Storage Capacities from 1TB to 2TB

The days of deleting games or offloading files to free up space are over. With up to 2TB of storage, keep your favorite games installed, store high-resolution 4K footage, and keep personal files and growing libraries close at hand.

¹Sequential and random write performance was measured with Intelligent TurboWrite technology being activated. Intelligent TurboWrite operates only within a specific data transfer size. Sequential and random performance measurements are based on IOMeter1.1.0. Performance may vary based on SSD's firmware version, system hardware, configuration, and other factors. Test System: AMD Ryzen 9 7950X 16-Core Processor HYPERLINK "mailto:CPU@4.50GHz" CPU@4.50GHz, DDR5 4800MHz (16GBx2), OS-Windows 11 Pro 64bit, Chipset-ASRock-X670E-Taichi. ²Active power consumption is measured with fio 3.28 version with 7 265K x 20 HYPERLINK "mailto:CPU@5.50GHz" CPU@5.50GHz, DDR5 4800MHz 16GBx2, OS-Ubuntu 22.04, Performance may vary depending on system configuration, environment, and other factors. 990 Sequential Read/Write - 1,686/1,697 MB/s per Watt, 990 PRO Sequential Read/Write - 1,221/1,254 MB/s per Watt based on test result of the 2TB capacity model.



*Source: 2003-2025 OMDIA data: NAND suppliers' revenue market share

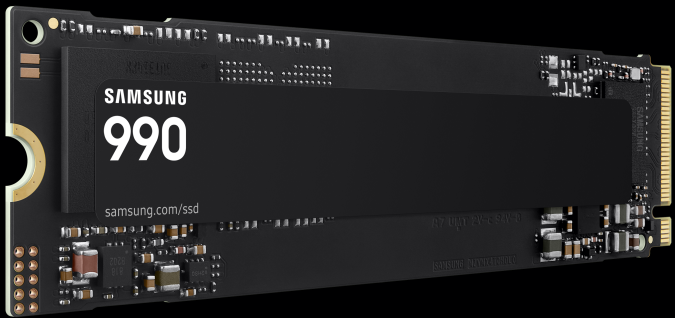
Specifications

Interface	PCIe® 4.0 x4, NVMe™2.0	
Form Factor	M.2 (2280)	
Hardware	V NAND QLC Controller In-House	Cache Memory Host Memory Buffer
Capacity	1TB	2TB
Sequential Read/Write (MB/s)	Up to 7,150/6,450 MB/s ¹	Up to 7,250/6,450 MB/s ¹
Random Read/Write (IOPS,QD32)	Up to 700/1,100K ¹	Up to 850/1,200K ¹
Idle (PS3 – APST on / PS4 – L1.2)	Typical 55mW / Typical 3mW	
Data Encryption	Class 0 (AES 256), TCG/Opal v2.0, MS eDrive (IEEE1667)	
Total Bytes Written	400 TBW (1TB) 800 TBW (2TB)	
Warranty	Limited 3-year	

1TB

2TB

990



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