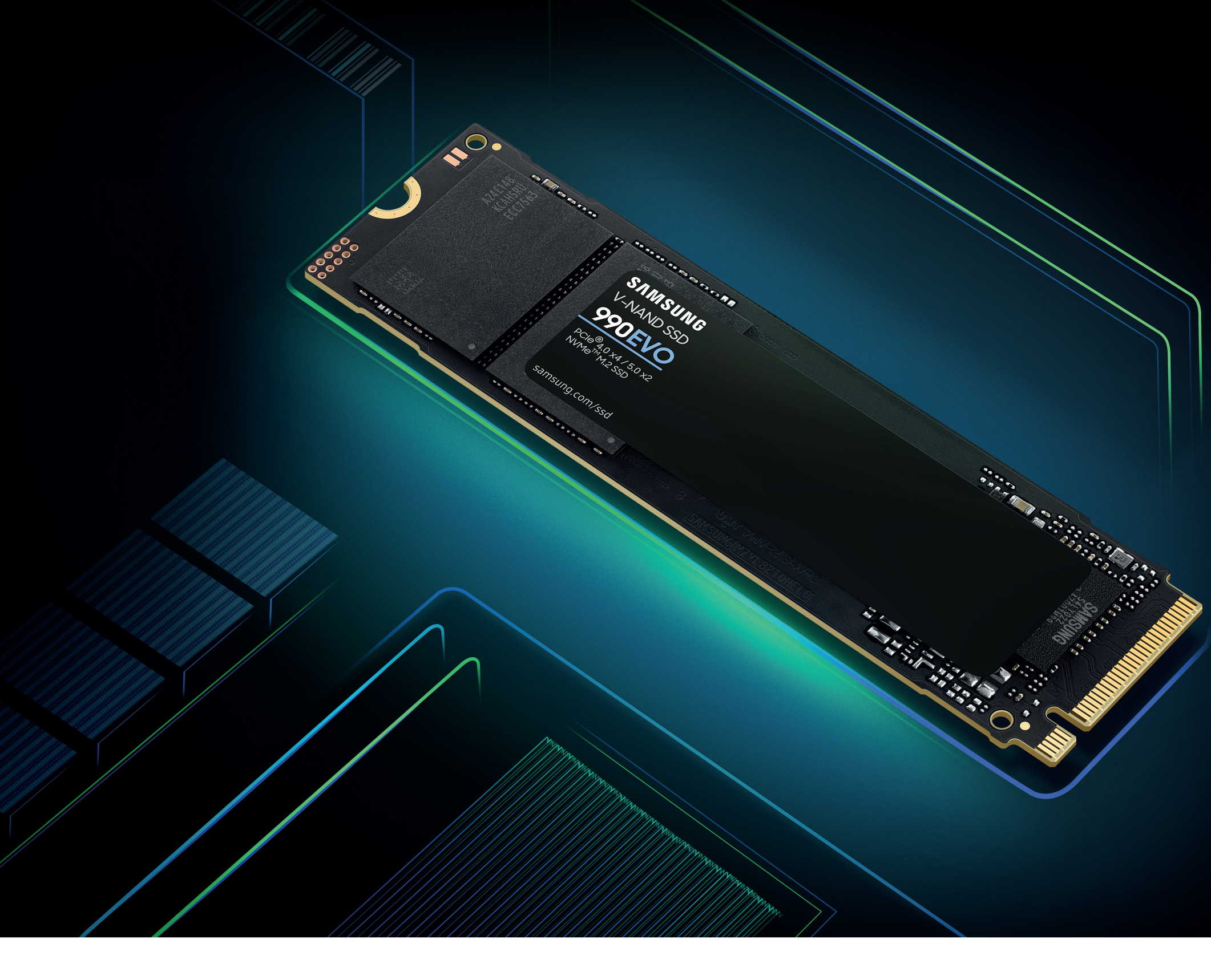
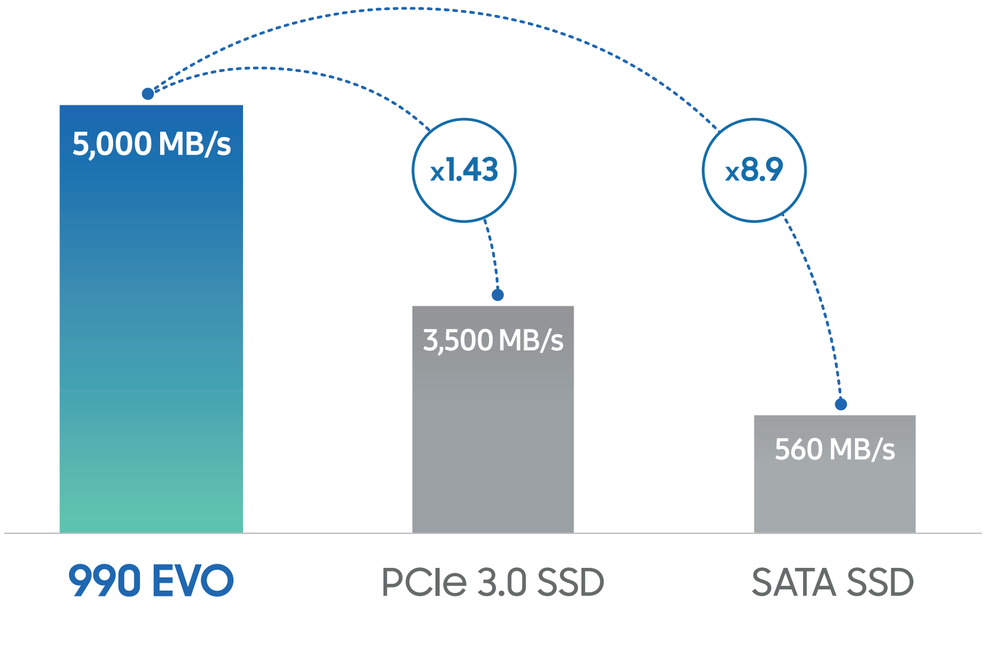
SAMSUNG

990 EVO

Upgrade everyday performance





Performance that stays ahead

Sequential read/write speeds up to 5,000/4,200 MB/s, and random read/write speeds up to 700K/800K IOPS. Sequential read speed is approximately 1.43 times faster than PCIe® 3.0 SSD and 8.9 times than SATA SSD. Wait less for games, and access big files quickly.

*Comparing the sequential read speeds for 2TB 990 EVO, 970 EVO Plus and 870 EVO.

MB/s

Sequential read up to **5,000 MB/s**

Sequential write up to **4,200 MB/s**

IOPS

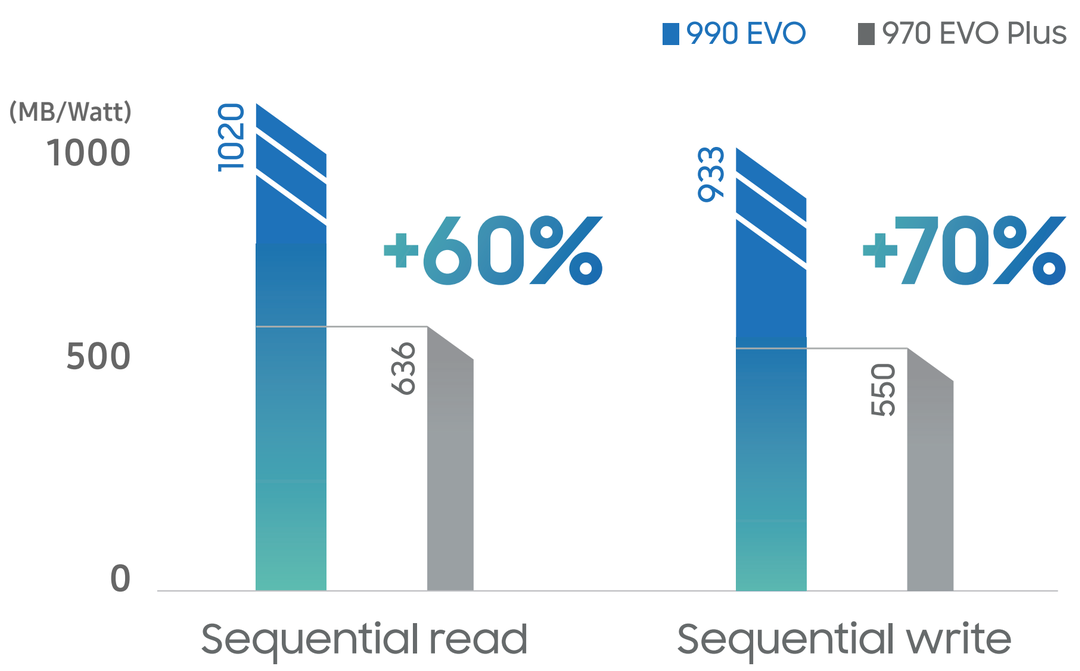
Random read up to **700K IOPS**

Random write up to **800K IOPS**

Evolved power efficiency

With a remarkable 70% improvement in power efficiency over the 970 EVO Plus, compute for longer without worrying about battery life. Plus, it supports Modern Standby, letting you stay connected to the internet and still receive notifications even in the low-power state.

*Based on internal test result of 1TB model.

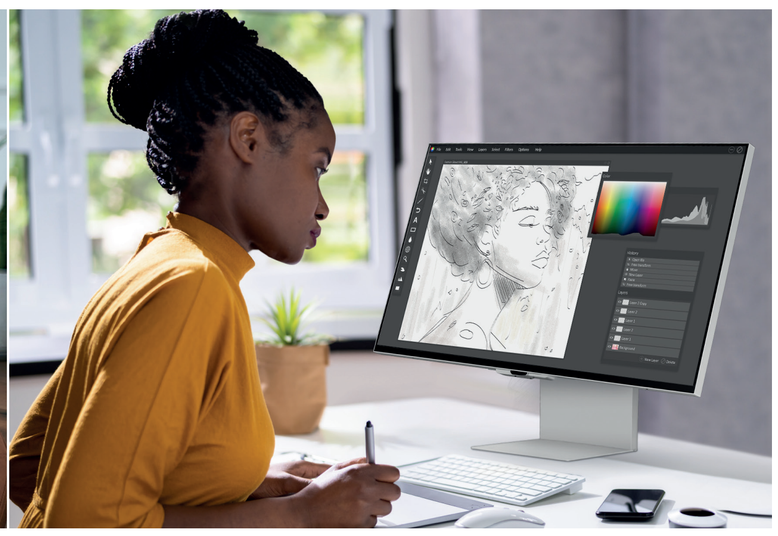


Versatile fit for all you do

Meet the demands of gaming, business, and creative work with the 990 EVO. Supported by the latest PCIe® 4.0 x4 and PCIe® 5.0 x2 interfaces, it provides the flexibility for current computing needs and what's to come. Stay on top with this all-around performer.







Technical Specifications

		990 EVO	
Model Code		MZ-V9E1T0BW	MZ-V9E2T0BW
General Feature	Capacity	1TB	2TB
	Form Factor	M.2 (2280)	
	Interface	PCIe® 4.0 x4 / 5.0 x2 NVMe™ 2.0	
	Dimension (WxHxD)	80 x 22 x 2.38 (mm)	
	Weight	Max 9.0g	
	Storage Memory	Samsung V-NAND TLC	
	Controller	Samsung in-house Controller	
Performance	Sequential Read (MB/s)	5,000	5,000
	Sequential Write (MB/s)	4,200	4,200
	Random Read (IOPS, QD32)	680K	700K
	Random Write (IOPS, QD32)	800K	800K
Software	Management Software	Samsung Magician software	
Warranty	TBW	600	1200
	Period	5-year limited warranty	

*The NVMe™ design mark is a registered trademark of NVM Express, Inc.
*1GB = 1,000,000,000 bytes by IDEMA. A certain portion of capacity may be used for system file and maintenance use, so the actual capacity may differ from what is indicated on the product label.
*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.
*Test system configuration: AMD Ryzen9 7950x 16-Core Processor CPU@4.5GHz, DDR5 4800MHz 16GBx2 (PC5-38400), OS-Windows 11 Pro 64bit, Chipset - ASRock X670E Taichi
*Five years or total bytes written (TBW), whichever comes first. For more information on the warranty, please refer to the enclosed warranty document in the package.

For more information about the Samsung SSD, visit **samsung.com/ssd**

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