**980 PRO PCIe® 4.0 NVMe™ SSD 500GB**

**MZ-V8P500 /MZ-V8P500B/AM**

Genuine PCIe 4.0 NVMe**™** speed (up to 6,900/5,000MB/s for read/write speed). Ideal for heavy computing, high resolution graphics and PC gaming.  
For console gaming, compatible only with Playstation® 5. Must be installed with a heatsink (sold separately).

**Storage**

**[2TB](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-2tb-mz-v8p2t0b-am/" \t "_self)**

[$159.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-2tb-mz-v8p2t0b-am/" \t "_self)~~[$249.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-2tb-mz-v8p2t0b-am/" \t "_self)~~

**[1TB](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-1tb-mz-v8p1t0b-am/" \t "_self)**

[$89.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-1tb-mz-v8p1t0b-am/" \t "_self)~~[$129.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-1tb-mz-v8p1t0b-am/" \t "_self)~~

**[500GB](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-500gb-mz-v8p500b-am/" \l "benefits" \t "_self)**

[$79.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-500gb-mz-v8p500b-am/" \l "benefits" \t "_self)~~[$89.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-500gb-mz-v8p500b-am/" \l "benefits" \t "_self)~~

**[250GB](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-250gb-mz-v8p250b-am/" \t "_self)**

[$79.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pro-pcie-4-0-nvme-ssd-250gb-mz-v8p250b-am/" \t "_self)

* General Feature

**Product Type**

980 PRO PCIe® 4.0 NVMe® SSD 1TB/500GB/250GB

**Family Line**

980 PRO PCIe® 4.0 NVMe® SSD

**Compatibility**

980 PRO is backward compatible with PCIe® 3.0. Sequential performances (up to): 3500MB/s for reads, 3400MB/s (500GB) for writes. Random (up to): 690K IOPS (500GB/1TB) for reads, 620K (250/500GB) for writes.

* Performance

**Encryption**

AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667)

* Type

**Product Type**

NVMe® SSD

**Storage Type**

Internal

**Interface**

PCIe® Gen 4.0 x 4, NVMe® 1.3c

**Read/Write Speeds**

6,900/5,000 MB/s

**Usage Application**

Client PCs

* Storage

**Capacity**

500GB

* Key Features

**Compatibility**

Backward compatible with PCIe® 3.0

**Controller**

In-house

**Security**

AES 256-bit Full Disk Encryption, TCG/Opal V2.0, Encrypted Drive (IEEE1667)

**Internal Storage**

Yes

**NVMe**

PCIe® 4.0

**Gaming SSDs**

Yes

**M.2 2280**

Yes

* Form Factor

**Product**

M.2 (2280)

* Dimensions (W x H x D)

**Product**

3.15" X 0.94 " X 0.87"

* Weight

**Product**

1.92 oz.

* Warranty

**Product**

\* Limited warranty up to 5 years or up to the TBW for each capacity \*\*\*For more information on the warranty, please visit www.samsung.com/support