**980 PCIe®3.0 NVMe®SSD 1TB**

**MZ-V8V1T0 /MZ-V8V1T0B/AM**

* Genuine PCIe® 3.0 NVMe® speed (up to 3,500/3,000MB/s for read/write speed)
* • Space-saving and compact  M.2 2280 form factor

**[1TB](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-1tb-mz-v8v1t0b-am/" \t "_self)**

[$69.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-1tb-mz-v8v1t0b-am/" \t "_self)~~[$99.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-1tb-mz-v8v1t0b-am/" \t "_self)~~

**[500GB](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-500gb-mz-v8v500b-am/" \t "_self)**

[$39.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-500gb-mz-v8v500b-am/" \t "_self)~~[$59.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-500gb-mz-v8v500b-am/" \t "_self)~~

**[250GB](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-250gb-mz-v8v250b-am/" \t "_self)**

[$39.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-250gb-mz-v8v250b-am/" \t "_self)~~[$49.99](https://www.samsung.com/us/computing/memory-storage/solid-state-drives/980-pcie-3-0-nvme-gaming-ssd-250gb-mz-v8v250b-am/" \t "_self)~~

* General Feature

**Product Type**

980 PCIe® 3.0 NVMe® SSD 1TB

**Family Line**

980 PCIe® 3.0 NVMe® SSD

**Capacity**

1TB

**Interface**

PCIe® Gen 3.0 x4, NVMe® 1.4

**Dimension (WxHxD)**

80.15 x 2.38 x 22.15 (mm)

* Performance

**Speed**

Read/write speeds up to: 3,500/3,000MB/s

**Encryption**

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

* Type

**Interface**

PCIe® Gen 3.0 x4, NVMe 1.4

**Usage Application**

Client PCs

* Storage

**Capacity**

1,000GB (1GB=1 Billion byte by IDEMA) \* Actual usable capacity may be less (due to formatting, partitioning, operating system, applications or otherwise)

* Key Features

**Sequential Read Speed**

Up to 3,500 MB/s \* Performance may vary based on system hardware & configuration

**Sequential Write Speed**

Up to 3,000 MB/s \* Performance may vary based on system hardware & configuration

**Cache Memory**

HMB(Host Memory Buffer)

**Trim Support**

Supported

**S.M.A.R.T. Support**

Supported

**GC (Garbage Collection)**

Auto Garbage Collection Algorithm

**WWN Support**

Not supported

**Device Sleep Mode Support**

Yes

**Internal Storage**

Samsung V-NAND 3-bit MLC

**NVMe**

PCIe® 3.0

**Gaming SSDs**

Yes

**M.2 2280**

Yes

* General

**Average Power Consumption (system level)**

\*Average: 4.6 W\* Actual power consumption may vary depending on system hardware & configuration

**Power consumption (Idle)**

Max. 45 mW \* Actual power consumption may vary depending on system hardware & configuration

**Reliability (MTBF)**

1.5 Million Hours Reliability (MTBF)

* Environmental Specs

**Shock**

1,500 G & 0.5 ms (Half sine)

* Form Factor

**Product**

M.2 2280

* 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