



**SSD SAMSUNG
9100 PRO 1TB
M.2 PCIe Gen5
NVMe TLC Write
speed 13300
MBytes/sec
Read speed
14700
MBytes/sec
2.38mm TBW
600 TB MZ-
VAP1T0BW**

Model: MZ-VAP1T0BW

Manufacturer: SAMSUNG

EAN: 8806095811628

Product Code: 40911

R6,819

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Breakthrough PCIe® 5.0 performance

Push PCIe® 5.0 performance to the max. 9100 PRO achieves lightning-fast sequential read/write speeds up to 14,800/13,400 MB/s, two times faster than 990 PRO. Leave Gen4 limits behind with random read/write speeds up to 2,200K/2,600K IOPS, only possible by Gen5.

Impressive processing power

Speed past productivity limits. Exhilarating random read/write speeds enable ultra-fast parallel processing for countless fragmented data, at up to 2,200K/2,600K IOPS. Experience superior output and instant loads for huge games, high-performance tasks, and even AI applications.

Rapid AI creation

Intelligence redefines performance. Defy your limits in work and play with an on-board AI PC and AI content generation, fuelled by 9100 PROs exhilarating random read/write speeds up to 2,200K/2,600K IOPS. Swift loads, smooth gameplay, seamless performance.

Exceptional performance at your fingertips

Elevate your competitive edge. Breeze through video editing, 3D art, and even long streaming sessions with the latest PCIe® 5.0 interfaces. Experience cutting-edge performance anytime, anywhere, on any device, and choose the storage you need with expansive capacity up to 8TB.

Extraordinary thermal efficiency

Peak performance, uninterrupted. The advanced 5nm controller power architecture enhances power efficiency up to 49% over 990 PRO. Exceptional thermal control ensures nothing disrupts your flow, so you can keep the most demanding programs running with the max possible power of PCIe® 5.0.

Samsung Magician software

Make your SSD work like magic. Samsung Magician software's optimisation tools ensure the best SSD performance. It's a safe and easy way to migrate all your data for a Samsung SSD upgrade. Protect valuable data, monitor drive health, and get the latest firmware updates.

Bringing innovations to life

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For decades, Samsungs NAND flash memory has powered groundbreaking technologies that have changed every part of our daily lives. This NAND flash technology also powers our consumer SSDs, making room for the next big push of innovation.

PCIe® 5.0 Performance

Max 14,800/13,400 MB/s sequential speeds,two times faster than 990 PRO.

Advance your gameplay

Mega capacity with exceptional compatibility.

Innovative Power & Thermal Control

Up to 49% enhanced power efficiency with advanced thermal control.

- Samsung NVMe SSD powered by V-NAND technology
- Up to 14,800 MB/s sequential read and 13,400 MB/s write speed
- Upto 2,200K IOPS random read and 2,600K IOPS random write speed

Summary: Samsung 9100 PRO PCIe® 5.0 NVMe™ M.2 SSD - 1 TB. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 14700 MB/s, Write speed: 13300 MB/s, Component for: PC/Game console | Vendor Homepage: <https://www.samsung.com/uk/memory-storage/nvme-ssd/9100-pro-1tb-nvme-pcie-gen-5-mz-vap1t0bw/> | Component for: PC/Game console | DevSlp (device sleep) support: Yes | Hardware encryption: Yes | Interface: PCI Express 5.0 | M.2 SSD size: 2280 (22 x 80 mm) | Mean time between failures (MTBF): 1500000 | Memory type: V-NAND TLC | NVMe: Yes | NVMe version: 2.0 | PCI Express interface data lanes: x4 | Random read (4KB): 1850000 | Random write (4KB): 2600000 | Read speed: 14700 | S.M.A.R.T. support: Yes | Security algorithms: 256-bit AES | SSD capacity: 1000 | SSD form factor: M.2 | TRIM support: Yes | Write speed: 13300 | Average power consumption (read): 7.6 | Average power consumption (write): 7.2 | Operating voltage: 3.3 | Power consumption (idle): 0.004 | Power consumption (read): 7.6 | Power consumption (write): 7.2 | Power consumption DevSlp (device sleep): 3.3 | Depth: 2.38 | Height: 80.15 | Weight: 9 | Width: 80.15 | Package type: Box | Operating shock: 1500 | Operating temperature (T-T): 0 - 70 | Warranty period: 5 | Model: MZ-VAP1T0BW | SSD series: 9100 PRO | Units per Pallet: 0 | Units per Shipping Box: 60 | Unit Calculated Volume: 0.000868 | Unit Calculated Weight: 0.111

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