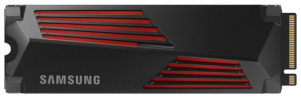
SAMSUNG

# Samsung 990 PRO 1 TB M.2 PCI Express 4.0 NVMe V-NAND MLC




**Brand :** Samsung

**Product code:** MZ-V9P1T0CW

**Product name :** 990 PRO




- Samsung NVMe SSD powered by newly designed in-house controller
- Up to 7,450 / 6,900 MB/s sequential read/write speed
- Power efficient SSD, reliable thermal control, with heatsink

1 TB, M.2 (2280), PCIe Gen 4.0 x4, NVMe, Samsung V-NAND 3-bit MLC 2.0, 80 x 24.3 x 8.2 mm
Samsung 990 PRO. SSD capacity: 1 TB, SSD form factor: M.2, Read speed: 7450 MB/s, Write speed: 6900 MB/s, Component for: PC

| Features | |
|---|---|
| NVMe version | 2.0 |
| Security algorithms | 256-bit AES |
| SSD capacity * | 1 TB |
| SSD form factor * | M.2 |
| Interface * | PCI Express 4.0 |
| NVMe * | ✔ |
| Memory type * | V-NAND MLC |
| Component for * | PC |
| Hardware encryption * | ✔ |
| M.2 SSD size | 2280 (22 x 80 mm) |
| Read speed | 7450 MB/s |
| Write speed | 6900 MB/s |
| S.M.A.R.T. support | ✔ |
| TRIM support | ✔ |
| Mean time between failures (MTBF) | 1500000 h |

| Features | |
|---|---|
| Backlight | ✔ |
| **Power** | |
| Operating voltage | 3.3 V |
| Power consumption (max) | 7.8 W |
| Power consumption (average) | 5.4 W |
| Power consumption (idle) | 0.05 W |
| **Weight & dimensions** | |
| Width | 80 mm |
| Depth | 8.2 mm |
| Height | 24.3 mm |
| Weight | 28 g |
| **Packaging data** | |
| Bundled software | Samsung Magician |
| Package type | Hanging box |
| **Operational conditions** | |
| Operating temperature (T-T) | 0 - 70 °C |
| Operating shock | 1500 G |

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