

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

**Brand :** Samsung

**Product code:** MZ-V9P2T0BW

**Product name :** 990 PRO



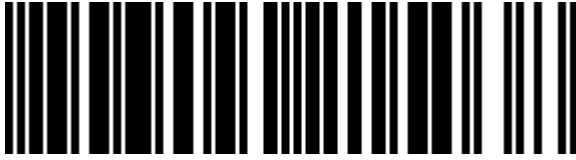
- Samsung NVMe SSD powered by newly designed in-house controller
- Up to 7,450 / 6900 MB/s sequential read/write speed
- Power efficient SSD, reliable thermal control

MZ-V9P2T0BW

Samsung 990 PRO. SSD capacity: 2 TB, SSD form factor: M.2, Read speed: 7450 MB/s, Write speed: 6900 MB/s, Component for: PC



| Features                         |                 | Features                          |                |
|----------------------------------|-----------------|-----------------------------------|----------------|
| NVMe version                     | 2.0             | Mean time between failures (MTBF) | 1500000 h      |
| Security algorithms              | 256-bit AES     | Protection features               | Heat resistant |
| SSD form factor *                | M.2             | <b>Power</b>                      |                |
| SSD capacity *                   | 2 TB            | Operating voltage                 | 3.3 V          |
| Interface *                      | PCI Express 4.0 | Power consumption (average)       | 5.5 W          |
| NVMe *                           | ✓               | Power consumption (idle)          | 0.055 W        |
| Memory type *                    | V-NAND MLC      | <b>Operational conditions</b>     |                |
| Component for *                  | PC              | Operating temperature (T-T)       | 0 - 70 °C      |
| Hardware encryption *            | ✓               | Maximum operating temperature     | 70 °C          |
| Read speed                       | 7450 MB/s       | Operating shock                   | 1500 G         |
| Write speed                      | 6900 MB/s       | <b>Weight &amp; dimensions</b>    |                |
| Random read (4KB)                | 1400000 IOPS    | Width                             | 80 mm          |
| Random write (4KB)               | 1550000 IOPS    | Depth                             | 2.3 mm         |
| PCI Express interface data lanes | x4              | Height                            | 22 mm          |
| DevSlp (device sleep) support    | ✓               | Weight                            | 9 g            |
| S.M.A.R.T. support               | ✓               | <b>Packaging data</b>             |                |
| TRIM support                     | ✓               | Package type                      | Box            |



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