

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

Brand : Samsung

Product code: MZ-V9P1T0B/AM

Product name : 990 PRO

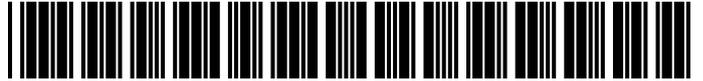


- Designed for tech enthusiasts, hardcore gamers and heavy-workload professionals who want blazing fast speed
- Enjoy up to 50% improved performance per watt over 980 PRO, plus optimal power efficiency with max PCIe®4.0 performance
- Sequential read/write speeds up to 7,450/6,900 MB/s
- 1 TB, M.2, PCIe Gen 4.0 x4, NVMe 2.0, V-NAND MLC
- 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 | | Features | |
|----------------------------------|-------------------|-----------------------------------|-----------|
| NVMe version | 2.0 | External DDR cache quantity | 1024 MB |
| Security algorithms | 256-bit AES | Mean time between failures (MTBF) | 1500000 h |
| SSD capacity * | 1 TB | Power | |
| SSD form factor * | M.2 | Operating voltage | 3.3 V |
| Interface * | PCI Express 4.0 | Power consumption (average) | 5.4 W |
| NVMe * | ✓ | Power consumption (idle) | 0.05 W |
| Memory type * | V-NAND MLC | Weight & dimensions | |
| Component for * | PC | Width | 80 mm |
| Hardware encryption * | ✓ | Depth | 2.3 mm |
| M.2 SSD size | 2280 (22 x 80 mm) | Height | 22 mm |
| Read speed | 7450 MB/s | Weight | 9 g |
| Write speed | 6900 MB/s | Packaging data | |
| Random read (4KB) | 1200000 IOPS | Package type | Box |
| Random write (4KB) | 1550000 IOPS | Operational conditions | |
| PCI Express interface data lanes | x4 | Operating temperature (T-T) | 0 - 70 °C |
| DevSlp (device sleep) support | ✓ | Minimum operating temperature | 0 °C |
| S.M.A.R.T. support | ✓ | Maximum operating temperature | 70 °C |
| TRIM support | ✓ | Operating shock | 1500 G |
| External DDR cache | ✓ | | |



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Catalog Object Cloud



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