

Samsung 950 PRO M.2 512 GB PCI Express

Brand : Samsung

Product code: MZ-V5P512BW

Product name : 950 PRO



512GB, M.2, PCIe 3.0 x4 (up to 32 GB/s) NVMe 1.1, V-NAND, AES 256-bit
 Samsung 950 PRO. SSD capacity: 512 GB, SSD form factor: M.2, Read speed: 2500 MB/s, Write speed: 1500 MB/s, Data transfer rate: 32 Gbit/s



| Features | | Power | |
|-----------------------------------|-------------|-----------------------------------|-------------|
| Security algorithms | 256-bit AES | Power consumption (sleep) | 0.0025 W |
| SSD form factor * | M.2 | Power consumption (idle) | 0.07 W |
| SSD capacity * | 512 GB | Operational conditions | |
| Interface * | PCI Express | Operating temperature (T-T) | 0 - 70 °C |
| Data transfer rate | 32 Gbit/s | Storage temperature (T-T) | -40 - 85 °C |
| Read speed | 2500 MB/s | Operating relative humidity (H-H) | 5 - 95% |
| Write speed | 1500 MB/s | Storage relative humidity (H-H) | 5 - 95% |
| Random read (4KB) | 300000 IOPS | Operating vibration | 20 G |
| Random write (4KB) | 110000 IOPS | Operating shock | 1500 G |
| PCI Express interface data lanes | x4 | Weight & dimensions | |
| S.M.A.R.T. support | ✓ | Width | 80.2 mm |
| TRIM support | ✓ | Depth | 22.1 mm |
| Mean time between failures (MTBF) | 1500000 h | Height | 2.38 mm |
| TBW rating | 400 | Weight | 10 g |
| Power | | Other features | |
| Power consumption (read) | 5.7 W | Product colour | Black |
| Power consumption (write) | 5.7 W | Internal | ✓ |



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