

Samsung MZ-77Q2T0 2 TB 2.5" Serial ATA III V-NAND MLC

Brand : Samsung
Product code: MZ-77Q2T0BW
Product name : MZ-77Q2T0

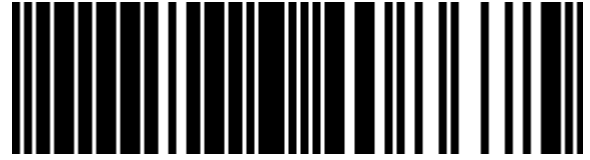


- 2.5 inch
 - SATA 6 Gb/s Interface, compatible with SATA 3 Gb/s & SATA 1.5 Gb/s interface
 - Samsung V-NAND 4bit MLC
 - Up to 560 MB/s Sequential Read Performance may vary based on system
 - Up to 530 MB/s Sequential Write Performance may vary based on system
- MZ-77Q2T0BW
Samsung MZ-77Q2T0. SSD capacity: 2 TB, SSD form factor: 2.5", Read speed: 560 MB/s, Write speed: 530 MB/s, Data transfer rate: 6 Gbit/s, Component for: PC/Laptop

| Features | | Features | |
|-----------------------|----------------|-----------------------------------|-----------|
| Security algorithms | 256-bit AES | Mean time between failures (MTBF) | 1500000 h |
| SSD capacity * | 2 TB | Power | |
| SSD form factor * | 2.5" | Operating voltage | 5 V |
| Interface * | Serial ATA III | Power consumption (max) | 4 W |
| Memory type * | V-NAND MLC | Power consumption (average) | 2.2 W |
| Component for * | PC/Laptop | Weight & dimensions | |
| Hardware encryption * | ✓ | Width | 69.8 mm |
| Data transfer rate | 6 Gbit/s | Depth | 100 mm |
| Read speed | 560 MB/s | Height | 6.8 mm |
| Write speed | 530 MB/s | Weight | 46 g |
| Random read (4KB) | 98000 IOPS | Operational conditions | |
| Random write (4KB) | 88000 IOPS | Operating temperature (T-T) | 0 - 70 °C |
| Controller type | Samsung MKX | Operating shock | 1500 G |
| S.M.A.R.T. support | ✓ | Logistics data | |
| TRIM support | ✓ | Harmonized System (HS) code | 84717070 |



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