
Transduction

TR-SSD-MX

SATA Drive With MLC Flash

TR-SSD-MX Solid State Drive



Features

- ▶ Data storage capacity of 16GB ~ 128GB.
- ▶ Uses high bandwidth SATA II interface can deliver a data transfer rate of 3Gbps and offers broad compatibility with motherboards.
- ▶ Drives designed using proprietary wear-leveling algorithms to extend the life of SSD.
- ▶ Uses MLC Flash to achieve maximum sequential read/write speeds of 120MB/sec and 80MB/sec and access time of 0.1ms.
- ▶ Vibration and shock tolerance of 16G and 1500G respectively.
- ▶ Built-in EDC/ECC function for data reliability.
- ▶ MTBF > 1,000,000 hours.
- ▶ 3 year warranty.

TR-SSD-MX

Specification

Model

- ▶ TR-SSD-MX

Form Factor

- ▶ 2.5"

Capacity

- ▶ 16GB ~ 128GB

Interface

- ▶ Serial ATA II

NAND Flash

- ▶ MLC

Performance

- ▶ Sequential read = 120MB/s (max)
- ▶ Sequential write = low capacity (60MB/s (max)), high capacity (80MB/s (max))
- ▶ Access time = 0.1ms

Data Reliability

- ▶ Built-in EDC/ECC function

Data Integrity

- ▶ 5 years

Endurance

- ▶ Read = unlimited
- ▶ Write
 - 16GB - 8.22 years @ 50GB write-erase/day
 - 30GB - 16.44 years @ 50GB write-erase/day
 - 60GB - 32.88 years @ 50GB write-erase/day
 - 128GB - 65.75 years @ 50GB write-erase/day

Power Requirements

- ▶ $5V_{cc} \pm 5\%$

Dimensions

- ▶ 2.75" (L) X 3.94" (W) X 0.37" (H)

Operating Temperature

- ▶ 0°C ~ 70°C

Shock and Vibration

- ▶ Shock = 1500G, vibration = 16G

Enclosure

- ▶ Metal housing

Warranty

- ▶ 3 years

Ordering Information

- ▶ TR-SSD-MX-16 - 16GB
- ▶ TR-SSD-MX-30 - 30GB
- ▶ TR-SSD-MX-60 - 60GB
- ▶ TR-SSD-MX-128 - 128GB