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# Transduction

## TR-SSD-MX

## SATA Drive With MLC Flash

TR-SSD-MX Solid State Drive



### Features

- ▶ Data storage capacity of 15GB ~ 120GB.
- ▶ 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

- ▶ 15GB ~ 120GB

##### 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
  - 15GB - 8.22 years @ 50GB write-erase/day
  - 30GB - 16.44 years @ 50GB write-erase/day
  - 60GB - 32.88 years @ 50GB write-erase/day
  - 120GB - 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-15 - 15GB
- ▶ TR-SSD-MX-30 - 30GB
- ▶ TR-SSD-MX-60 - 60GB
- ▶ TR-SSD-MX-120 - 120GB