

MO300 mSATA3

Industrial Standard SSD Series



RunCore Industrial “Glory Series”

mSATA III SSD is designed with outstanding performance and a high level of reliability for a wide range of applications: enterprise server, workstation system, online storage, notebook, and desktop. The SSD enables a shock-protected and quiet-operating environment for mobile storage requirements without any moving mechanical parts.

This series SSD compliant with Serial ATA Revision, compatible with 3.0Gbps and 1.5Gbps interface rate and support Native Command Queuing (NCQ) up to 32 commands. It offers longer SSD lifetime with lower write amplification and wear leveling factor(WLF). RunCore Glory Series is the best solution to the extreme environmental condition such as high-low temperature, moisture and shocks etc in the industrial computer\ controlled computer and national defense fields.

- Form Factor: mSATA3 JEDEC MO300
- Supports SATA III standard protocol, compatible with SATA II, SATA I
- Capacity:
 - SLC: 256GB (max)
 - MLC: 1TB (max)
- Performance:
 - 4KB Random Read 60K IOPS
 - 4KB Random Write 70K IOPS
 - Sequential Read 560MB/s (max)
 - Sequential Write 450MB/s(max)
- Operating Temperature:
 - -40°C to +85°C
 - 0°C to +70°C
- Power Supply:
 - 3V, maximum power consumption 4.5W
- Physical Features:
 - Dimension 50mmx 30mmx 4mm
 - Weight ≤ 55g
- Data Security:
 - With conformal coating
 - Supports ATA command data erasure
 - Supports one-key data erasure (GPIO external pin)
 - Supports power failure protection
- Standard Compliance/ Support:
 - MIL-STD-810
 - SATA IO
 - JEDEC Endurance