

MO300 mSATA3

Embedded Standard SSD Series



RunCore Embedded SATA3 “Elite Series” SSD utilizes high-performance SATAIII SSD controller and NAND flash, with or with no DRAM buffer to support power failure mechanism. This series SSD compliant with Serial ATA Revision 2.6/3.1 specification, compatible with 6.0Gbps, 3.0Gbps and 1.5Gbps interface rate and support Native Command Queuing (NCQ) up to 32 commands. As a standard SATA drive, it can support mainstream OS, such as Windows/Linux/Unix/Solaris/ Mac OS and so on.

MO300 mSATA3 SSD (6Gbps) RCE-VI-T50XX-XXX

It offers longer SSD lifetime with lower write amplification and wear leveling factor(WLF). RunCore Elite Series is the best solution to the low power consumption, high-low temperature, moisture and shocks etc in the embedded computer\ industrial control computer\ and medical fields.

- Form Factor: mSATA3 JEDEC MO300
- Supports SATA III Standard Protocol, compatible with SATA II, SATA I
- Capacity:
 - pSLC: 512GB (max)
 - MLC: 1TB (max)
- Performance:
 - 4KB Random Read 60K IOPS
 - 4KB Random Write 70K IOPS
 - Sequential Write 560MB/s(max)
 - Sequential Write 450MB/s (max)
- Operating Temperature:
 - -40°C to +85°C
 - 0°C to +70°C
- Power Supply:
 - 3V, power consumption 4.5W (max)
- Physical Features:
 - Dimension 50mmx 30mmx4mm
 - 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