

M.2 SATA3 Embedded SSD Series



M.2 SATA3 SSD (6Gbps)
RCE-VI-SM2XX-XXX

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. 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: M.2 NGFF
- Supports SATA III Standard Protocol
- Capacity:
 - pSLC: 512GB (max)
 - MLC: 1TB (max)
- Performance:
 - 4KB Random Read 50K IOPS
 - 4KB Random Write 25K IOPS
 - Sequential Write 530MB/s(max)
 - Sequential Write 250MB/s (max)
- Operating Temperature:
 - -40°C to +85°C
 - 0°C to +70°C
- Power Supply:
 - 3.3V ±5% (Max 1.5A), power consumption ≤5W (max)
- Physical Features:
 - Dimension 80mmx 22mmx3.6mm
 - Weight ≤ 50g
- 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