



mSATA SSD

Supporting the next-generation Serial ATA interface and built around well-known powerful controller, Quantum Digital Technology SATA III 6Gb/s mSATA SSD delivers fast performance and long-term reliability. The compact mSATA form factor makes it perfect fit for use in space-restricted portable devices such as embedded applications, tablet PCs, and slim servers.

Powerful technology makes our solution an outstanding high IOPS, better data integrity and extended lifespan through bad block management.

Features

- MLC flash-based performance and reliability
- DDR3 DRAM cache
- High IOPS
- Maximizes battery life when not in use thanks to full support of SATA Device Sleep Mode (DevSleep)
- S.M.A.R.T., TRIM and NCQ support to maintain a healthy, efficient SSD
- Built-in wear-leveling algorithm ensures highly reliable of data transfer

Specifications:

Model Name	mSATA SSD
Interface	SATA III 6.0 Gb/s
Flash Type	3D TLC
3D NAND Type	96-layer 112-layer
Capacity	32GB~2TB
Sequential R/W (MB/sec, max.)	550/490
Max. Power Consumption	2.4W (3.3V x 0.72mA)
Max. Channels	4
Thermal Sensor	Y
S.M.A.R.T.	Y
ATA Security	Y

DEVSLP Mode	Y
Dimension (WxLxH/mm)	29.85 x 50.8 x 3.7
Vibration	20G@7~2000Hz
Shock	1500G@0.5ms
MTBF	>3 million hours
Storage Temperature	-55°C ~ +95°C
Operation Temperature	Standard Grade: 0°C ~ +70°C; Industrial Grade: -40°C ~ +85°C