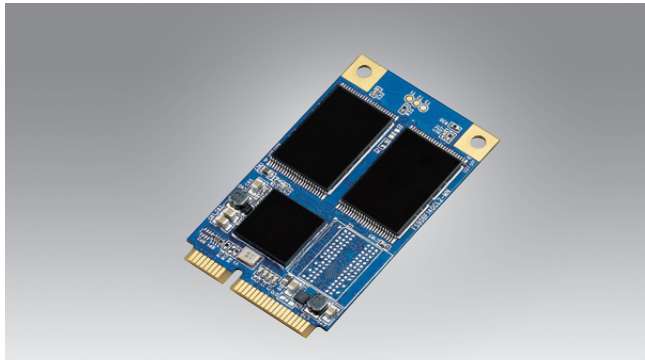


SQF-SMS 520

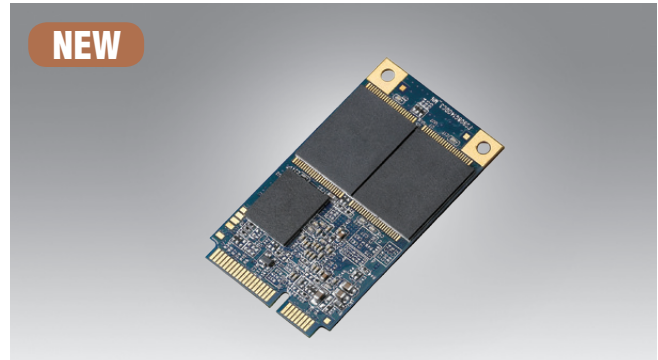
SATA II (3.0Gb) mSATA

SQF-SMS 820

SATA III (6.0Gb) mSATA



RoHS COMPLIANT 2002/95/EC CE FCC



NEW

RoHS COMPLIANT 2002/95/EC CE FCC



Features

- MO-300 mSATA Module
- Compliant with SATA II and SATA v 2.6 standard
- Supports 44 bit ECC correct per 1K Byte data
- Universal wear-leveling and bad block management
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Features

- MO-300 mSATA Module
- Compliant with SATA III and SATA v 3.0 standard
- Supports 72 bit ECC correct per 1K Byte data
- Supports Fragment Writing and Flush Manager
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

| | |
|-------------------------------|--|
| Connector Type | Mini PCIe 52pin connector with SATA pin-out |
| Flash type | SLC / MLC |
| Capacity | SLC: 2G to 32 GB MLC: 8G to 128 GB |
| Transfer Mode | SATA II (3.0 Gbps) |
| Sustained R/W Performance (*) | SLC: up to 140/100 MB/sec MLC: up to 120/80 MB/sec |
| Operating Temperature | Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C |
| Shock Resistance | 1,500 G, peak / 0.5 ms |
| Vibration Resistance | 20 G, peak / 80 ~ 2000 Hz |
| Endurance | 2,000,000 program/erase cycles |
| Dimensions (mm) | 50.8 x 30 x 4.2 |

(*) These values are for reference only; they may change according to the flash memory used.

Ordering Information

| PN | Description |
|------------------|---|
| SQF-SMSS2-2G-S7C | Advantech SQFlash mSATA 2 GB SLC, 2-CH (0 ~ 70° C) |
| SQF-SMSS2-2G-S7E | Advantech SQFlash mSATA 2 GB SLC, 2-CH (-40 ~ 85° C) |
| SQF-SMSS4-XG-S7C | Advantech SQFlash mSATA 4/8/16/32 GB SLC, 4-CH (0 ~ 70° C) |
| SQF-SMSS4-XG-S7E | Advantech SQFlash mSATA 4/8/16/32 GB SLC, 4-CH (-40 ~ 85° C) |
| SQF-SMSM2-8G-S7C | Advantech SQFlash mSATA 8 GB MLC, 2-CH (0 ~ 70° C) |
| SQF-SMSM2-8G-S7E | Advantech SQFlash mSATA 8 GB MLC, 2-CH (-40 ~ 85° C) |
| SQF-SMSM4-XG-S7C | Advantech SQFlash mSATA 16/32/64/128 GB MLC, 4-CH (0 ~ 70° C) |
| SQF-SMSM4-XG-S7E | Advantech SQFlash mSATA 16/32/64/128 GB MLC, 4-CH (-40 ~ 85° C) |

Note: X stands for different capacities

Specifications

| | |
|-------------------------------|--|
| Connector Type | Mini PCIe 52pin connector with SATA pin-out |
| Flash type | SLC / MLC |
| Capacity | SLC: 16 to 64 GB MLC: 16 to 256 GB |
| Transfer Mode | SATA III (6.0 Gbps) |
| Sustained R/W Performance (*) | SLC and MLC up to 500/150 MB/sec |
| Operating Temperature | Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C |
| Shock Resistance | 1,500 G, peak / 0.5 ms |
| Vibration Resistance | 20 G, peak / 80 ~ 2000 Hz |
| Endurance | 2,000,000 program/erase cycles |
| Dimensions (mm) | 50.8 x 30 x 4.2 |

(*) These values are for reference only; they may change according to the flash memory used.

Ordering Information

| PN | Description |
|--------------------|--|
| SQF-SMSS2-8G-S8C | SQFlash 820 series mSATA SLC 8G (0 ~ 70° C) |
| SQF-SMSS2-8G-S8E | SQFlash 820 series mSATA SLC 8G (-40 ~ 85° C) |
| SQF-SMSS4-XG-S8C | SQFlash 820 series mSATA SLC 16/32/64G (0 ~ 70° C) |
| SQF-SMSS4-XG-S8E | SQFlash 820 series mSATA SLC 16/32/64G (-40 ~ 85° C) |
| SQF-SMSM4-XG-S8C | SQFlash 820 series mSATA MLC 16/32/64/128G (0 ~ 70° C) |
| SQF-SMSM4-XG-S8E | SQFlash 820 series mSATA MLC 16/32/64/128G (-40 ~ 85° C) |
| SQF-SMSM5-XG-S8C | SQFlash 820 series mSATA MLC 40/80/160G (0 ~ 70° C) |
| SQF-SMSM5-XG-S8E | SQFlash 820 series mSATA MLC 40/80/160G (-40 ~ 85° C) |
| SQF-SMSM8-256G-S8C | SQFlash 820 series mSATA MLC 256G (0 ~ 70° C) |
| SQF-SMSM8-256G-S8E | SQFlash 820 series mSATA MLC 256G (-40 ~ 85° C) |

Note: X stands for different capacities