SQF-SMS (Extreme)

mSATA Flash Module

NEW

RoHS COMPLIANT 2002/95/EC CE FCC

Flash Security ID | Life Monitoring | Flash Lock | Emergency Erase

Features

- Compliant with SATA II and SATA v2.6 standard
- Compliant with JEDEC MO-300 mSATA Spec.
- Support 48/32/28 bit ECC correct per 2 K Byte data
- Universal Wear-leveling and Bad Block Management
- Shock resistance, anti-vibration and Low power consumption
- GUI Management Tool & Software API Package

Specifications

Connector Type	Mini PCIe form factor with SATA pinout
Flash Type	SLC / MLC
Capacity	SLC: 4 to 32 GB MLC: 16 to 128 GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	SLC: 145/100 MB/sec (32 GB up to 210/175) MLC: 135/90 MB/sec (64 GB up to 200/175)
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
Dimensions (mm)	50.8 x 29.85 x 4

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

Ordering Information

Part No.	Product Description
SQF-SMSS4-XG-S5C	Advantech SQFlash mSATA SLC, 4-CH, 4/8/16 GB (0 ~ 70° C)
SQF-SMSS4-XG-S5E	Advantech SQFlash mSATA SLC, 4-CH, 4/8/16 GB (-40 ~ 85° C)
SQF-SMSS8-32G-S5C	Advantech SQFlash mSATA SLC, 8-CH, 32 GB (0 ~ 70° C)
SQF-SMSS8-32G-S5E	Advantech SQFlash mSATA SLC, 8-CH, 32 GB (-40 ~ 85° C)
SQF-SMSM4-XG-S5C	Advantech SQFlash mSATA MLC, 4-CH, 16/32/64 GB (0 ~ 70° C)
SQF-SMSM4-XG-S5E	Advantech SQFlash mSATA MLC, 4-CH, 16/32/64 GB (-40 ~ 85° C)
SQF-SMSM8-128G-S5C	Advantech SQFlash mSATA MLC, 8-CH, 128 GB (0 ~ 70° C)
SQF-SMSM8-128G-S5E	Advantech SQFlash mSATA MLC, 8-CH, 128 GB (-40 ~ 85° C)

SQF-S18 (Extreme)

1.8" SATA SSD

NEW

RoHS COMPLIANT 2002/95/EC CE FCC

Flash Security ID | Life Monitoring | Flash Lock | Emergency Erase

Features

- Compliant with SATA II and SATA v2.6 standard
- Support 48/32/28 bit ECC correct per 2 K Byte data
- Universal Wear-leveling and Bad Block Management
- Shock resistance, anti-vibration and Low power consumption
- GUI Management Tool & Software API Package

Specifications

Connector Type	7+9 Pin Micro SATA connector
Flash Type	SLC / MLC
Capacity	SLC: 4 to 64 GB MLC: 16 to 256 GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 220/210 MB/sec MLC: up to 210/200 MB/se
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
Dimensions (mm)	78.5 x 54 x 5

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

Ordering Information

Part No.	Product Description
SQF-S18S4-4G-S5C	Advantech SQFlash S18 SLC, 4-CH, 4 GB (0 ~ 70° C)
SQF-S18S4-4G-S5E	Advantech SQFlash S18 SLC, 4-CH, 4 GB (-40 ~ 85° C)
SQF-S18S8-XG-S5C	Advantech SQFlash S18 SLC, 8-CH, 8/16/32/64 GB (0 ~ 70° C)
SQF-S18S8-XG-S5E	Advantech SQFlash S18 SLC, 8-CH, 8/16/32/64 GB (-40 ~ 85° C)
SQF-S18M4-16G-S5C	Advantech SQFlash S18 MLC, 4-CH, 16 GB (0 ~ 70° C)
SQF-S18M4-16G-S5E	Advantech SQFlash S18 MLC, 4-CH, 16 GB (-40 ~ 85° C)
SQF-S18M8-XG-S5C	Advantech SQFlash S18 MLC, 8-CH, 32/64/128/256 GB (0 ~ 70° C)
SQF-S18M8-XG-S5E	Advantech SQFlash S18 MLC, 8-CH, 32/64/128/256 GB (-40 ~ 85° C)