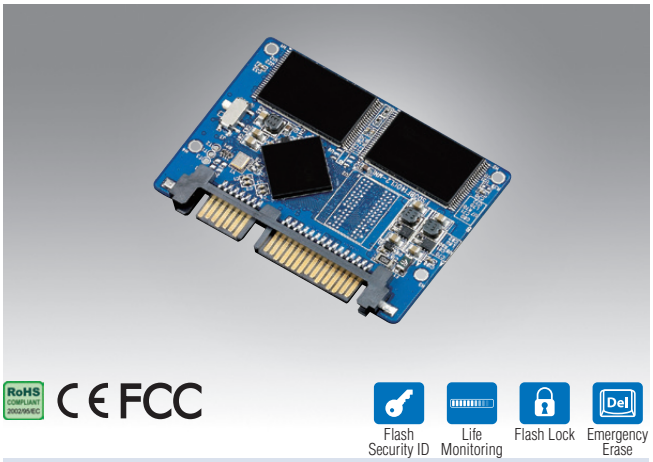
SQF-SLM 520

SATA II (3.0Gb) Half-Slim Module



RoHS CE FCC

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

Features

- MO-297 Half-Slim SATA 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

Specifications

Connector Type	Standard 7+15-pin SATA connector
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)	54.0 x 39.0 x 4.5

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

Ordering Information

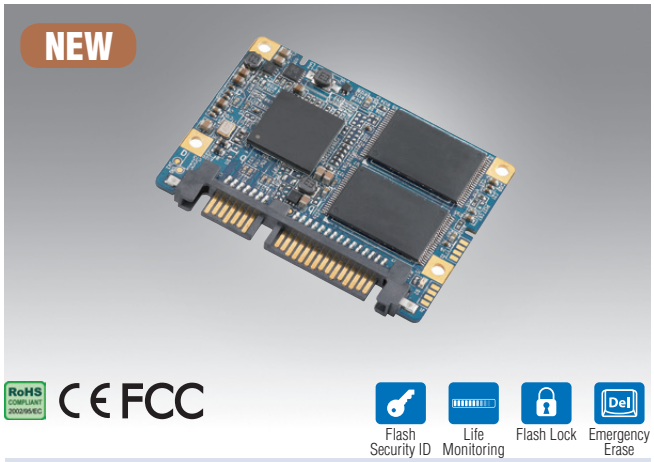
PN	Description
SQF-SLMS2-2G-S7C	Advantech SQFlash SATA Slim 2 GB SLC, 2-CH (0 ~ 70° C)
SQF-SLMS2-2G-S7E	Advantech SQFlash SATA Slim 2 GB SLC, 2-CH (-40 ~ 85° C)
SQF-SLMS4-XG-S7C	Advantech SQFlash SATA Slim 4/8/16/32 GB SLC, 4-CH (0 ~ 70° C)
SQF-SLMS4-XG-S7E	Advantech SQFlash SATA Slim 4/8/16/32 GB SLC, 4-CH (-40 ~ 85° C)
SQF-SLMM2-8G-S7C	Advantech SQFlash SATA Slim 8 GB MLC, 2-CH (0 ~ 70° C)
SQF-SLMM2-8G-S7E	Advantech SQFlash SATA Slim 8 GB MLC, 2-CH (-40 ~ 85° C)
SQF-SLMM4-XG-S7C	Advantech SQFlash SATA Slim 16/32/64/128 GB MLC, 4-CH (0 ~ 70° C)
SQF-SLMM4-XG-S7E	Advantech SQFlash SATA Slim 16/32/64/128 GB MLC, 4-CH (-40 ~ 85° C)

Note: X stands for different capacities

SQF-SLM 820

SATA III (6.0Gb) Half-Slim Module

NEW



RoHS CE FCC

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

Features

- MO-297 Half-Slim SATA 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	Standard 7+15-pin SATA connector
Flash type	SLC / MLC
Capacity	SLC: 16 to 64 GB MLC: 16 to 128 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)	54.0 x 39.0 x 4.5

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

Ordering Information

PN	Description
SQF-SLMS2-8G-S8C	SQFlash 820 series SATA Slim SLC 8G (0 ~ 70° C)
SQF-SLMS2-8G-S8E	SQFlash 820 series SATA Slim SLC 8G (-40 ~ 85° C)
SQF-SLMS4-XG-S8C	SQFlash 820 series SATA Slim SLC 16/32/64G (0 ~ 70° C)
SQF-SLMS4-XG-S8E	SQFlash 820 series SATA Slim SLC 16/32/64G (-40 ~ 85° C)
SQF-SLMM4-XG-S8C	SQFlash 820 series SATA Slim MLC 16/32/64/128G (0 ~ 70° C)
SQF-SLMM4-XG-S8E	SQFlash 820 series SATA Slim MLC 16/32/64/128G (-40 ~ 85° C)

Note: X stands for different capacities