

SQF-SLM 630

SATA III (6.0Gb) Half-Slim Module



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
- Low power consumption SATA III storage module
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package
- Supports hardware write protect

Specifications

Connector Type	Standard 7+15-pin SATA connector
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 64GB Ultra MLC: 8 to 128GB MLC: 4 to 256GB
Transfer Mode	SATA III (6.0 Gbps)
Max. Power Consumption	370 mA
Sustained R/W Performance*	SLC and MLC up to 510/150 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
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-SLMS1-1G-S9C	SQFlash 630 series SATA Slim 1 GB SLC, 1-CH (0 ~ 70 °C)
SQF-SLMS1-1G-S9E	SQFlash 630 series SATA Slim 1 GB SLC, 1-CH (-40 ~ 85 °C)
SQF-SLMS2-2G-S9C	SQFlash 630 series SATA Slim 2 GB SLC, 2-CH (0 ~ 70 °C)
SQF-SLMS2-2G-S9E	SQFlash 630 series SATA Slim 2 GB SLC, 2-CH (-40 ~ 85 °C)
SQF-SLMS4-XG-S9C	SQFlash 630 series SATA Slim 4/8/16/32/64 GB SLC, 4-CH (0 ~ 70 °C)
SQF-SLMS4-XG-S9E	SQFlash 630 series SATA Slim 4/8/16/32/64 GB SLC, 4-CH (-40 ~ 85 °C)
SQF-SLMU4-XG-S9C	SQFlash 630 series SATA Slim Ultra MLC, DMA, 8/16/32/64/128 GB (0 ~ 70 °C)
SQF-SLMU4-XG-S9E	SQFlash 630 series SATA Slim Ultra MLC, DMA, 8/16/32/64/128 GB (-40 ~ 85 °C)
SQF-SLMM1-4G-S9C	SQFlash 630 series SATA Slim 4 GB MLC, 1-CH (0 ~ 70 °C)
SQF-SLMM1-4G-S9E	SQFlash 630 series SATA Slim 4 GB MLC, 1-CH (-40 ~ 85 °C)
SQF-SLMM2-8G-S9C	SQFlash 630 series SATA Slim 8 GB MLC, 2-CH (0 ~ 70 °C)
SQF-SLMM2-8G-S9E	SQFlash 630 series SATA Slim 8 GB MLC, 2-CH (-40 ~ 85 °C)
SQF-SLMM4-XG-S9C	SQFlash 630 series SATA Slim 16/32/64/128/256 GB MLC, 4-CH (0 ~ 70 °C)
SQF-SLMM4-XG-S9E	SQFlash 630 series SATA Slim 16/32/64/128/256 GB MLC, 4-CH (-40 ~ 85 °C)

Note: X stands for different capacities

SQF-S10 630

SATA III (6.0Gb) CFast



CE FCC



Flash Security ID



Life Monitoring



Flash Lock



Emergency Erase

Features

- Compliant with standard CFast card Type 1 specifications
- Interface: SATA Gen. 3
- Supports 72 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	CFast Type 1 Connector
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 32GB Ultra MLC: 4 to 64GB MLC: 4 to 128GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance *	SLC: up to 500/150 MB/sec MLC: up to 250/100 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
Dimensions (mm)	42.8 x 36.4 x 3.3

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

Ordering Information

PN	Description
SQF-S10S1-1G-S9C	SQFlash 630 series CFast SLC, DMA, 1 GB (0 ~ 70 °C)
SQF-S10S1-1G-S9E	SQFlash 630 series CFast SLC, DMA, 1 GB (-40 ~ 85 °C)
SQF-S10S2-XG-S9C	SQFlash 630 series CFast SLC, DMA, 2/4/8/16/32 GB (0 ~ 70 °C)
SQF-S10S2-XG-S9E	SQFlash 630 series CFast SLC, DMA, 2/4/8/16/32 GB (-40 ~ 85 °C)
SQF-S10U2-XG-S9C	SQFlash 630 series CFast Ultra MLC, DMA, 4/8/16/32/64 GB (0 ~ 70 °C)
SQF-S10U2-XG-S9E	SQFlash 630 series CFast Ultra MLC, DMA, 4/8/16/32/64 GB (-40 ~ 85 °C)
SQF-S10M1-4G-S9C	SQFlash 630 series CFast MLC, DMA, 4 GB (0 ~ 70 °C)
SQF-S10M1-4G-S9E	SQFlash 630 series CFast MLC, DMA, 4 GB (-40 ~ 85 °C)
SQF-S10M2-XG-S9C	SQFlash 630 series CFast MLC, DMA, 8/16/32/64/128 GB (0 ~ 70 °C)
SQF-S10M2-XG-S9E	SQFlash 630 series CFast MLC, DMA, 8/16/32/64/128 GB (-40 ~ 85 °C)

Note: X stands for different capacities