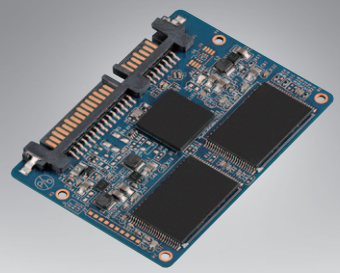
SQF-SLM 630

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
- 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 32GB Ultra MLC: 8 to 32GB MLC: 4 to 64GB
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
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-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 GB SLC, 4-CH (0 ~ 70° C)
SQF-SLMS4-XG-S9E	SQFlash 630 series SATA Slim 4/8/16/32 GB SLC, 4-CH (-40 ~ 85° C)
SQF-SLMU4-XG-S9C	SQFlash 630 series SATA Slim Ultra MLC, DMA, 8/16/32 GB (0 ~ 70° C)
SQF-SLMU4-XG-S9E	SQFlash 630 series SATA Slim Ultra MLC, DMA, 8/16/32 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 GB MLC, 4-CH (0 ~ 70° C)
SQF-SLMM4-XG-S9E	SQFlash 630 series SATA Slim 16/32/64 GB MLC, 4-CH (-40 ~ 85° C)

Note: X stands for different capacities

SQF-S25 820

SATA III (6.0Gb) 2.5" SSD



RoHS CE FCC

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

Features

- Compliant with SATA III and SATA v3.0 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 / Ultra MLC / MLC
Capacity	SLC: 32 to 512GB Ultra MLC: 16 to 512GB MLC: 32GB to 1TB
Transfer Mode	SATA III (6.0 Gbps)
Max. Power Consumption	980 mA
Sustained R/W Performance (*)	SLC and MLC up to 510/400 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)	100.20 x 69.85 x 7

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

Ordering Information

Part No.	Product Description
SQF-S25S8-XG-S8C	SQFlash 820 series 2.5" SSD SLC 32/64/128/256/512G (0 ~ 70° C)
SQF-S25S8-XG-S8E	SQFlash 820 series 2.5" SSD SLC 32/64/128/256/512G (-40 ~ 85° C)
SQF-S25U5-XG-S8C	SQFlash 820 series 2.5" SSD Ultra MLC 40/80/160/320G (0 ~ 70° C)
SQF-S25U5-XG-S8E	SQFlash 820 series 2.5" SSD Ultra MLC 40/80/160G (-40 ~ 85° C)
SQF-S25U8-X-S8C	SQFlash 820 series 2.5" SSD Ultra MLC 16/32/64/128/256/512G (0 ~ 70° C)
SQF-S25U8-X-S8E	SQFlash 820 series 2.5" SSD Ultra MLC 16/32/64/128/256G (-40 ~ 85° C)
SQF-S25M5-XG-S8C	SQFlash 820 series 2.5" SSD MLC 40/80/160G/320G/640G (0 ~ 70° C)
SQF-S25M5-XG-S8E	SQFlash 820 series 2.5" SSD MLC 40/80/160/320G (-40 ~ 85° C)
SQF-S25M8-X-S8C	SQFlash 820 series 2.5" SSD MLC 32/64/128/256/512G/1T (0 ~ 70° C)
SQF-S25M8-X-S8E	SQFlash 820 series 2.5" SSD MLC 32/64/128/256/512G (-40 ~ 85° C)

Note: X stands for different capacities