

# SQF-SDM 630

## SATA III (6.0Gb) Disk Module

# SQF-SDM 530

## SATA III (6.0Gb) Disk Module

NEW



RoHS COMPLIANT  
CE FCC



### Features

- Compliant with SATA III and SATA v3.0 standard
- 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
- Supports hardware write protect

### Specifications

Connector Type	Standard 7-pin SATA connector
Flash type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 32GB Ultra MLC: 4 to 32GB MLC: 4 to 64GB
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
Endurance	2,000,000 program/erase cycles
Dimensions (mm)	44.7 x 11.2 x 4.2

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

### Ordering Information

PN	Description
SQF-SDMS1-1G-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 1 GB (0 ~ 70° C)
SQF-SDMS1-1G-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 1 GB (-40 ~ 85° C)
SQF-SDMS2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 2/4/8/16/32 GB (0 ~ 70° C)
SQF-SDMS2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 2/4/8/16/32 GB (-40 ~ 85° C)
SQF-SDMU2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) Ultra MLC, DMA, 4/8/16/32 GB (0 ~ 70° C)
SQF-SDMU2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) Ultra MLC, DMA, 4/8/16/32 GB (-40 ~ 85° C)
SQF-SDMM1-4G-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 4 GB (0 ~ 70° C)
SQF-SDMM1-4G-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 4 GB (-40 ~ 85° C)
SQF-SDMM2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 8/16/32/64 GB (0 ~ 70° C)
SQF-SDMM2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 8/16/32/64 GB (-40 ~ 85° C)

Note: X stands for different capacities

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### Features

- Vertical type SATA DOM with housing
- Compliant with SATA III and SATA v3.0 standard
- Supports 40 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-pin SATA connector
Flash Type	SLC / MLC
Capacity	SLC: 2 to 32GB MLC: 8 to 128GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 120/100 MB/sec MLC: up to 450/150 MB/sec
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1500, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Endurance	2,000,000 program/erase cycles
Dimensions (mm)	39.4 (L) x 25 (W) x 6.5 (H)

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

### Ordering Information

PN	Description
SQF-SDMS2-2G-J6C	SQFlash 530 series SATA DOM V 2 GB SLC 2-CH (0 ~ 70° C)
SQF-SDMS2-2G-J6E	SQFlash 530 series SATA DOM V 2 GB SLC 2-CH (-40 ~ 85° C)
SQF-SDMS4-XG-J6C	SQFlash 530 series SATA DOM V 4/8/16/32/64 GB SLC 4-CH (0 ~ 70° C)
SQF-SDMS4-XG-J6E	SQFlash 530 series SATA DOM V 4/8/16/32/64 GB SLC 4-CH (-40 ~ 85° C)
SQF-SDMM1-8G-J6C	SQFlash 530 series SATA DOM V 8 GB MLC 1-CH (0 ~ 70° C)
SQF-SDMM1-8G-J6E	SQFlash 530 series SATA DOM V 8 GB MLC 1-CH (-40 ~ 85° C)
SQF-SDMM2-16G-J6C	SQFlash 530 series SATA DOM V 16 GB MLC 2-CH (0 ~ 70° C)
SQF-SDMM2-16G-J6E	SQFlash 530 series SATA DOM V 16 GB MLC 2-CH (-40 ~ 85° C)
SQF-SDMM4-XG-J6C	SQFlash 530 series SATA DOM V 32/64/128 GB MLC 4-CH (0 ~ 70° C)
SQF-SDMM4-XG-J6E	SQFlash 530 series SATA DOM V 32/64/128 GB MLC 4-CH (-40 ~ 85° C)

Note: X stands for different capacities