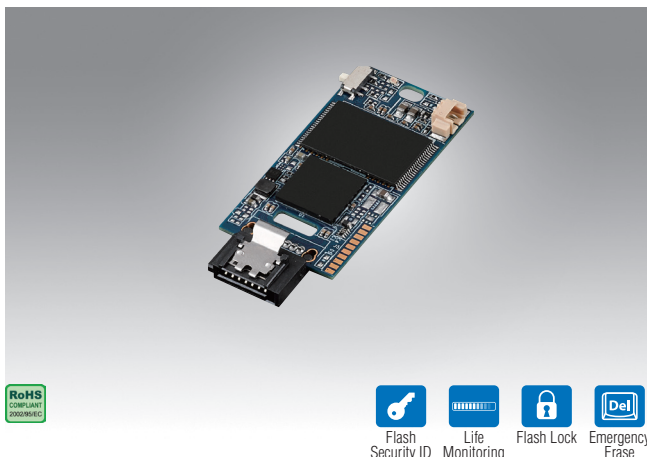


# SQF-SDM 630

## SATA III (6.0Gb) Disk Module



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
- 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<br>Ultra MLC: 4 to 128GB<br>MLC: 4 to 256GB       |
| Transfer Mode              | SATA III (6.0 Gbps)                                              |
| Sustained R/W Performance* | SLC: up to 500/150 MB/sec<br>MLC: up to 525/200 MB/sec           |
| Operating Temperature      | Commercial grade: 0 to +70 °C<br>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)            | 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

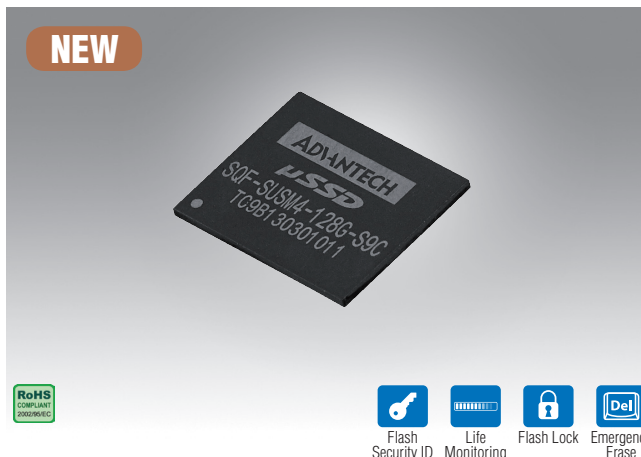
| PN                    | Description                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------|
| SQF-SDMS1-1G-S9C(T/B) | SQFlash 630 series SATA DOM V (Top/Bottom) 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 GB (0 ~ 70 °C)                    |
| SQF-SDMS2-XG-S9E(T/B) | SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 2/4/8 GB (-40 ~ 85 °C)                  |
| SQF-SDMS4-XG-S9C(T/B) | SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 16/32 GB (0 ~ 70 °C)                    |
| SQF-SDMS4-XG-S9E(T/B) | SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 16/32 GB (-40 ~ 85 °C)                  |
| SQF-SDMU2-XG-S9C(T/B) | SQFlash 630 series SATA DOM V (Top/Bottom) Ultra MLC, DMA, 4/8/16/32/64/128 GB (0 ~ 70 °C)   |
| SQF-SDMU2-XG-S9E(T/B) | SQFlash 630 series SATA DOM V (Top/Bottom) Ultra MLC, DMA, 4/8/16/32/64/128 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, 8/16/32/64/128/256 GB (0 ~ 70 °C)       |
| SQF-SDMM2-XG-S9E(T/B) | SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 8/16/32/64/128/256 GB (-40 ~ 85 °C)     |

Note: X stands for different capacities

# SQF-SUS 630

## SATA III (6.0Gb) Disk Module

NEW



Flash Security ID



Life Monitoring



Flash Lock



Emergency Erase

### Features

- Compliant with SATA III and SATA v3.0 standard
- Single chip package SSD
- 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             | Onboard SSD                                                       |
| Flash Type                 | Ultra MLC / MLC                                                   |
| Capacity                   | Ultra MLC: 2 to 32GB<br>MLC: 4 to 64GB                            |
| Transfer Mode              | SATA III (6.0 Gbps)                                               |
| Sustained R/W Performance* | Ultra MLC: up to 490/180 MB/sec<br>MLC: up to 480/180 MB/sec      |
| Operating Temperature      | Commercial grade: -20 ~ +85 °C<br>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)            | 16 x 20 x 1.4                                                     |

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

### Ordering Information

| PN                | Description                                                       |
|-------------------|-------------------------------------------------------------------|
| SQF-SUSU1-4G-S9C  | SQFlash 630 series Micro SSD Ultra MLC, 4 GB (-20 ~ 85 °C)        |
| SQF-SUSU2-8G-S9C  | SQFlash 630 series Micro SSD Ultra MLC, 8 GB (-20 ~ 85 °C)        |
| SQF-SUSU4-xG-S9C  | SQFlash 630 series Micro SSD Ultra MLC, 16/32/64 GB (-20 ~ 85 °C) |
| SQF-SUSU1-4G-S9E  | SQFlash 630 series Micro SSD Ultra MLC, 4 GB (-40 ~ 85 °C)        |
| SQF-SUSU2-8G-S9E  | SQFlash 630 series Micro SSD Ultra MLC, 8 GB (-40 ~ 85 °C)        |
| SQF-SUSU4-xG-S9E  | SQFlash 630 series Micro SSD Ultra MLC, 16/32/64 GB (-40 ~ 85 °C) |
| SQF-SUSM1-8G-S9C  | SQFlash 630 series Micro SSD MLC, 8 GB (-20 ~ 85 °C)              |
| SQF-SUSM2-16G-S9C | SQFlash 630 series Micro SSD MLC, 16 GB (-20 ~ 85 °C)             |
| SQF-SUSM4-xG-S9C  | SQFlash 630 series Micro SSD MLC, 32/64 GB (-20 ~ 85 °C)          |
| SQF-SUSM1-8G-S9E  | SQFlash 630 series Micro SSD MLC, 8 GB (-40 ~ 85 °C)              |
| SQF-SUSM2-16G-S9E | SQFlash 630 series Micro SSD MLC, 16 GB (-40 ~ 85 °C)             |
| SQF-SUSM4-xG-S9E  | SQFlash 630 series Micro SSD MLC, 32/64 GB (-40 ~ 85 °C)          |

Note: X stands for different capacities