

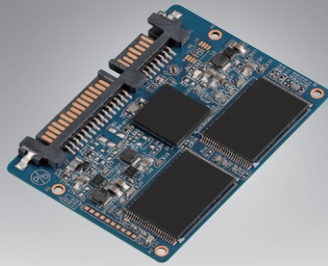
SQF-SLM 630

SATA III (6.0Gb) Half-Slim Module

SQF-S25 820

SATA III (6.0Gb) 2.5" SSD

NEW



RoHS COMPLIANT CE FCC



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



RoHS COMPLIANT CE FCC



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