

SQF-S25 630

SATA III (6.0Gb) 2.5" SSD

SQF-S25 830

SATA III (6.0Gb) 2.5" SSD



RoHS COMPLIANT 2002/95/EC CE FCC



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Features

- 2.5" SSD
- Interface: SATA III (6.0 Gbps)
- Supports 72 bit ECC correct per 1K Byte data
- Universal wear-leveling and bad block management hardware write protect (optional)
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Features

- Compliant with SATA III and SATA v3.0 standard
- Supports 120 bit ECC correct per 2K Byte data
- Supports Fragment Writing and Flush Manager
- Optional support for AES and voltage stabilizer
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

| | |
|----------------------------|--|
| Connector Type | 2.5" SSD |
| Flash Type | SLC / Ultra MLC / MLC |
| Capacity | SLC: 1 to 64GB Ultra MLC: 2 to 128GB MLC: 4 to 256GB |
| Transfer Mode | SATA III (6.0 Gbps) |
| Sustained R/W Performance* | SLC: up to 500/150 MB/sec MLC: up to 510/190 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) | 100.0 x 69.9 x 7.0 |

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

Specifications

| | |
|----------------------------|--|
| Connector Type | Standard 7+15-pin SATA connector |
| Flash Type | SLC / Ultra MLC / MLC |
| Capacity | SLC: 64 to 512GB Ultra MLC: 64 to 512GB MLC: 128GB to 2TB |
| Transfer Mode | SATA III (6.0 Gbps) |
| Max. Power Consumption | 2A |
| Sustained R/W Performance* | SLC and MLC up to 540/520 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

| PN | Description |
|------------------|--|
| SQF-S25S2-8G-S9C | SQFlash 630 series 2.5" SSD, SLC, 8GB (0 ~ 70 °C) |
| SQF-S25S4-XG-S9C | SQFlash 630 series 2.5" SSD, SLC, 16/32/64 GB (0 ~ 70 °C) |
| SQF-S25S2-8G-S9E | SQFlash 630 series 2.5" SSD, SLC, 8GB (-40 ~ 85 °C) |
| SQF-S25S4-XG-S9E | SQFlash 630 series 2.5" SSD, SLC, 16/32/64 GB (-40 ~ 85 °C) |
| SQF-S25U4-XG-S9C | SQFlash 630 series 2.5" SSD, UltraMLC, 8/16/32/64/128 GB (0 ~ 70 °C) |
| SQF-S25U4-XG-S9E | SQFlash 630 series 2.5" SSD, UltraMLC, 8/16/32/64/128 GB (-40 ~ 85 °C) |
| SQF-S25M2-8G-S9C | SQFlash 630 series 2.5" SSD, MLC, 8GB (0 ~ 70 °C) |
| SQF-S25M4-XG-S9C | SQFlash 630 series 2.5" SSD, MLC, 16/32/64/128/256 GB (0 ~ 70 °C) |
| SQF-S25M2-XG-S9E | SQFlash 630 series 2.5" SSD, MLC, 8GB (-40 ~ 85 °C) |
| SQF-S25M4-XG-S9E | SQFlash 630 series 2.5" SSD, MLC, 16/32/64/128/256 GB (-40 ~ 85 °C) |

Note: X stands for different capacities

Ordering Information

| Part No. | Product Description |
|-----------------|--|
| SQF-S25S8-x-SAC | SQFlash 830 series 2.5" SSD SLC 64/128/256/512G (0 ~ 70 °C) |
| SQF-S25S8-x-SAE | SQFlash 830 series 2.5" SSD SLC 64/128/256/512G (-40 ~ 85 °C) |
| SQF-S25U8-x-SAC | SQFlash 830 series 2.5" SSD Ultra MLC 64/128/256/512G/1T (0 ~ 70 °C) |
| SQF-S25U8-x-SAE | SQFlash 830 series 2.5" SSD Ultra MLC 64/128/256/512G/1T (-40 ~ 85 °C) |
| SQF-S25M8-x-SAC | SQFlash 830 series 2.5" SSD MLC 128/256/512G/1T/2T (0 ~ 70 °C) |
| SQF-S25M8-x-SAE | SQFlash 830 series 2.5" SSD MLC 128/256/512G/1T/2T (-40 ~ 85 °C) |

Note: X stands for different capacities