SQF-S25 630

SATA III (6.0Gb) 2.5" SSD



RoHS COMPLIANT 2002/95/EC CE FCC

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

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

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.

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

SQF-S25 830

SATA III (6.0Gb) 2.5" SSD



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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	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

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

All product specifications are subject to change without notice