

SQF-S25 630

SATA III (6.0Gb) 2.5" SSD



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-S25S4-4G-S9C	SQF 2.5" SSD 630 4G SLC (0~70°C)
SQF-S25S2-8G-S9C	SQF 2.5" SSD 630 8G SLC (0~70°C)
SQF-S25S4-16G-S9C	SQF 2.5" SSD 630 16G SLC (0~70°C)
SQF-S25S4-32G-S9C	SQF 2.5" SSD 630 32G SLC (0~70°C)
SQF-S25S4-64G-S9C	SQF 2.5" SSD 630 64G SLC (0~70°C)
SQF-S25S4-4G-S9E	SQF 2.5" SSD 630 4G SLC (-40~85°C)
SQF-S25S2-8G-S9E	SQF 2.5" SSD 630 8G SLC (-40~85°C)
SQF-S25S4-16G-S9E	SQF 2.5" SSD 630 16G SLC (-40~85°C)
SQF-S25S4-32G-S9E	SQF 2.5" SSD 630 32G SLC (-40~85°C)
SQF-S25S4-64G-S9E	SQF 2.5" SSD 630 64G SLC (-40~85°C)

Note: X stands for different capacities

SQF-S25 830

SATA III (6.0Gb) 2.5" SSD



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-S25S8-64G-SAC	SQF 2.5" SATA 830 64G SLC (0~70°C)
SQF-S25S8-128G-SAC	SQF 2.5" SSD 830 128G SLC (0~70°C)
SQF-S25S8-256G-SAC	SQF 2.5" SSD 830 256G SLC (0~70°C)
SQF-S25S8-64G-SAE	SQF 2.5" SSD 830 64G SLC (-40~85°C)
SQF-S25S8-128G-SAE	SQF 2.5" SSD 830 128G SLC (-40~85°C)
SQF-S25S8-256G-SAE	SQF 2.5" SSD 830 256G SLC (-40~85°C)

Note: X stands for different capacities

SQF-S25 830

SATA III (6.0Gb) 2.5" SSD

Ordering Information

Part No.	Product Description
SQF-S25U8-64G-SAC	SQF 2.5 SATA SSD 830 64G UMLC (0~70°C) [ES]
SQF-S25U8-128G-SAC	SQF 2.5 SATA SSD 830 128G UMLC (0~70°C) [ES]
SQF-S25U8-256G-SAC	SQF 2.5 SATA SSD 830 256G UMLC (0~70°C) [ES]
SQF-S25U8-512G-SAC	SQF 2.5 SATA SSD 830 512G UMLC (0~70°C) [ES]
SQF-S25U8-1T-SAC	SQF 2.5 SATA SSD 830 1T UMLC (0~70°C) [ES]
SQF-S25U8-64G-SAE	SQF 2.5 SATA SSD 830 64G UMLC (-40~85°C) [ES]
SQF-S25U8-128G-SAE	SQF 2.5 SATA SSD 830 128G UMLC (-40~85°C) [ES]
SQF-S25U8-256G-SAE	SQF 2.5 SATA SSD 830 256G UMLC (-40~85°C) [ES]
SQF-S25U8-512G-SAE	SQF 2.5 SATA SSD 830 512G UMLC (-40~85°C) [ES]
SQF-S25U8-1T-SAE	SQF 2.5 SATA SSD 830 1T UMLC (-40~85°C) [ES]
SQF-S25M8-64G-SAC	SQF 2.5 SATA SSD 830 64G MLC (0~70°C)
SQF-S25M8-128G-SAC	SQF 2.5 SATA SSD 830 128G MLC (0~70°C)
SQF-S25M8-256G-SAC	SQF 2.5 SATA SSD 830 256G MLC (0~70°C)
SQF-S25M8-512G-SAC	SQF 2.5 SATA SSD 830 512G MLC (0~70°C)
SQF-S25M8-1T-SAC	SQF 2.5 SATA SSD 830 1T MLC (0~70°C)
SQF-S25M8-2T-SAC	SQF 2.5 SATA SSD 830 2T MLC (0~70°C)
SQF-S25M8-64G-SAE	SQF 2.5 SATA SSD 830 64G MLC (-40~85°C)
SQF-S25M8-128G-SAE	SQF 2.5 SATA SSD 830 128G MLC (-40~85°C)
SQF-S25M8-256G-SAE	SQF 2.5 SATA SSD 830 256G MLC (-40~85°C)
SQF-S25M8-512G-SAE	SQF 2.5 SATA SSD 830 512G MLC (-40~85°C)
SQF-S25M8-1T-SAE	SQF 2.5 SATA SSD 830 1T MLC (-40~85°C)
SQF-S25M8-2T-SAE	SQF 2.5 SATA SSD 830 2T MLC (-40~85°C) [ES]