SQF-S25 520 SATA II (3.0Gb) 2.5" SSD

SQF-S25 820 SATA III (6.0Gb) 2.5" SSD



Flash Life Security ID Monitoring





Features

- Compliant with SATA II and SATA v2.6 standard
- Supports 44 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

Features

- Compliant with SATA III and SATA v3.0 standard
- Supports 72 bit FCG correct per 1K Byte data
- Supports I raginent Writing and Flush Manager
- Shock revistance, anti-vibration and Low power consumption
- 3U' Management Tool & Software API Package

Specifications

Connector Type	Standard 7+15-pin SATA connector
Flash Type	SLC / MLC
Capacity	SLC: 4 to 64 GB MLC: 16 to 256 GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W	SLC: up to 140/100 MB/sec
Performance (*)	MLC: up to 120/80 MB/s ac
Operating Temperature	Commercial Grade 0 to +.70° (
	Industrial Grade: -40 0 +85 C
Shock Resistance	1,500 G, Peak 1.5 ms
Vibration Resistance	20 G, Peak <u>/</u> 80 ~ 2000 Hz
Dimensions (mm)	100.20 x 39.85 × 9.50

(*) The 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 / MLC
Capacity	SLC: 16 to 256 GB MLC: 16 GB to 1 TB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance (*)	SLC and MLC up to 500/350 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-S25S4-XG-S7C	Advantech SQFlash S25 SLC, 4-CH, $4/8/16/32/64$ GB $(0 \sim 70^{\circ} \text{ C})$
SQF-S25S4-XG-S7E	Advantech SQFlash S25 SLC, 4-CH, 4/8/16/32/64 GB (-40 ~ 85° C)
SQF-S25M4-XG-S7C	Advantech SQFlash S25 MLC, 4-CH, 32/64/128/256 GB (0 \sim 70 $^{\circ}$ C)
SQF-S25M4-XG-S7E	Advantech SQFlash S25 MLC, 4-CH, 32/64/128/256 GB (-40 ~ 85° C)

Note: X stands for different capacities

Ordering Information

Part No.	Product Description
SQF-S25S4-16G-S8C	SQFlash 820 series 2.5" SSD SLC 16G (0 ~ 70° C)
SQF-S25S4-16G-S8E	SQFlash 820 series 2.5" SSD SLC 16G (-40 ~ 85° C)
SQF-S25S8-XG-S8C	SQFlash 820 series 2.5" SSD SLC 32/64/128/256G (0 ~ 70° C)
SQF-S25S8-XG-S8E	SQFlash 820 series 2.5" SSD SLC 32/64/128/256G (-40 ~ 85° C)
SQF-S25M4-16G-S8C	SQFlash 820 series 2.5" SSD MLC 16G (0 ~ 70° C)
SQF-S25M4-16G-S8E	SQFlash 820 series 2.5" SSD MLC 16G (-40 ~ 85° C)
SQF-S25M5-XG-S8C	SQFlash 820 series 2.5" SSD MLC 40/80/160G (0 ~ 70° C)
SQF-S25M5-XG-S8E	SQFlash 820 series 2.5" SSD MLC 40/80/160G (-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/1T (-40 ~ 85° C)

Note: X stands for different capacities