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

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

NEW

RoHS COMPLIANT 2002/95/EC C E FCC

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

RoHS COMPLIANT 2002/95/EC C E FCC

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

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 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 / MLC
Capacity	SLC: 4 to 64 GB MLC: 16 to 256 GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 140/100 MB/sec MLC: up to 120/80 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 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 ~ 70° 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 ~ 70° 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

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