

SQF-S25

2.5" SATA SSD

SQF-S25 (Extreme)

2.5" SATA SSD

NEW



RoHS COMPLIANT
CE FCC



Features

- Compliant with SATA II and SATA v2.6 standard
- Built-in EDC/ECC up to 15-bit random bits error per 512 bytes
- Universal Wear-leveling and Bad Block Management
- Shock resistance, anti-vibration and Low power consumption
- GUI Management Tool & Software API Package

Specifications

Connector Type	Standard 7+15-bit SATA connector
Flash Type	SLC
Capacity	8 to 32GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	Up to 95/50 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
MTBF	> 2,000,000 hours
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.

Ordering Information

Part No.	Product Description
SQF-S25S4-XG-R2C	Advantech SQFlash S25 SLC, 4-CH, 8/16/32 GB (0~70° C)
SQF-S25S4-XG-R2E	Advantech SQFlash S25 SLC, 4-CH, 8/16/32 GB (-40~85° C)

NEW



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Features

- Compliant with SATA II and SATA v2.6 standard
- Support 48/32/28 bit ECC correct per 2K Byte data
- Universal Wear-leveling and Bad Block Management
- Shock resistance, anti-vibration and Low power consumption
- GUI Management Tool & Software API Package

Specifications

Connector Type	Standard 7+15-bit SATA connector
Flash Type	SLC / MLC
Capacity	SLC: 8 to 128GB MLC: 32 to 512GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 250/210 MB/sec MLC: up to 230/210 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
MTBF	> 2,000,000 hours
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.

Ordering Information

Part No.	Product Description
SQF-S25S4-8G-S5C	Advantech SQFlash S25 8G SLC, DMA (0 ~ 70° C)
SQF-S25S4-8G-S5E	Advantech SQFlash S25 8G SLC, DMA (-40 ~ 85° C)
SQF-S25S8-XG-S5C	Advantech SQFlash S25 SLC, DMA, 16/32/64/128 GB, (0 ~ 70° C)
SQF-S25S8-XG-S5E	Advantech SQFlash S25 SLC, DMA, 16/32/64/128 GB, (-40 ~ 85° C)
SQF-S25M8-XG-S5C	Advantech SQFlash S25 MLC, DMA, 32/64/128/256/512 GB, (0 ~ 70° C)
SQF-S25M8-XG-S5E	Advantech SQFlash S25 MLC, DMA, 32/64/128/256/512 GB, (-40 ~ 85° C)