

SQF-S10

CFast

SQF-S25

2.5" SATA SSD



RoHS COMPLIANT
CE FCC



Features

- Compliant with standard CFast card Type 1 specifications
- Interface: SATA Gen 2
- Built-in EDC/ECC up to 48bit random bits error per 2K 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	CFast Type 1 Connector
Flash type	SLC/Ultra MLC
Capacity	2 GB to 32 GB
Transfer Mode	SATA II
Sustained R/W Performance (*)	SLC: up to 95/50 MB/s Ultra MLC: up to 130/110 MB/s
Storage Temperature	Commercial Grade: -25 to +85° C Industrial Grade: -55 to +125° C
Operation Temperature	Commercial Grade: 0 to +70° C Industrial Grade: -40 to +85° C
Shock resistance	1,500 G, Peak / 0.5 ms
Vibration resistance	20G, Peak / 10 ~ 2000 Hz
Humidity	5% ~ 95%
Endurance	> 5,000,000 program/erase cycles
MTBF	2,000,000 hours
Dimensions (mm)	42.8 x 36.4 x 3.3

(*) The values are for reference only; they may change according to the flash memory used.

Ordering Information

Part No.	Product Description
SQF-S10U4-XG-CTE	Advantech SQFlash CFast Ultra MLC, DMA, 8/16/32 GB, (0 ~ 70° C)
SQF-S10U4-XG-ETE	Advantech SQFlash CFast Ultra MLC, DMA, 8/16/32 GB, (-40 ~ 85° C)
SQF-S10S2-2G-CTE	Advantech SQFlash CFast SLC, DMA, 2 GB, (0 ~ 70° C)
SQF-S10S2-2G-ETE	Advantech SQFlash CFast SLC, DMA, 2 GB, (-40 ~ 85° C)
SQF-S10S4-XG-CTE	Advantech SQFlash CFast SLC, DMA, 4/8/16 GB, (0 ~ 70° C)
SQF-S10S4-XG-ETE	Advantech SQFlash CFast SLC, DMA, 4/8/16 GB, (-40 ~ 85° C)



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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+15pin SATA connector
Flash type	SLC / MLC
Capacity	SLC: 8 GB to 64 GB MLC: 16 GB to 256 GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	SLC: 8 channels: 240 / 220 MB per second MLC: 8 channels: 230 / 170 MB per second
Storage Temperature	Commercial Grade: -40 to +85° C Industrial Grade: -40 to +85° C
Operation 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-CTE	Advantech SQFlash S25 8G SLC, DMA (0 ~ 70° C)
SQF-S25S4-8G-ETE	Advantech SQFlash S25 8G SLC, DMA (-40 ~ 85° C)
SQF-S25S8-XG-CTE	Advantech SQFlash S25 SLC, DMA, 16/32/64 GB, (0 ~ 70° C)
SQF-S25S8-XG-ETE	Advantech SQFlash S25 SLC, DMA, 16/32/64 GB, (-40 ~ 85° C)
SQF-S25M4-16G-CTE	Advantech SQFlash S25 16G MLC, DMA (0 ~ 70° C)
SQF-S25M4-16G-ETE	Advantech SQFlash S25 16G MLC, DMA (-40 ~ 85° C)
SQF-S25M8-XG-CTE	Advantech SQFlash S25 MLC, DMA, 32/64/128/256 GB, (0 ~ 70° C)
SQF-S25M8-XG-ETE	Advantech SQFlash S25 MLC, DMA, 32/64/128/256 GB, (-40 ~ 85° C)