

SQF-S10

CFast

SQF-S10 (Extreme)

CFast

NEW



RoHS COMPLIANT CE FCC



Features

- Compliant with standard CFast card Type 1 specifications
- Interface: SATA Gen. 2
- Built-in EDC/ECC up to 15bit 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	CFast Type 1 Connector
Flash Type	SLC
Capacity	2 to 16GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	4 channel: 95/50 MB/sec 2 channel: 45/25 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	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-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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Specifications

Connector Type	CFast Type 1 Connector
Flash Type	SLC / MLC
Capacity	SLC: 4 to 16GB MLC: 8 to 64GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	SLC: 105/90 MB/sec MLC: 95/30 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	20G, Peak / 10 ~ 2000 Hz
Humidity	5% ~ 95%
Endurance	> 5,000,000 program/erase cycles
MTBF	1,000,000 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-S10S2-4G-M2C	Advantech SQFlash CFast SLC, DMA, 2CH, 4 GB, (0 ~ 70° C)
SQF-S10S2-4G-M2E	Advantech SQFlash CFast SLC, DMA, 2CH, 4 GB, (-40 ~ 85° C)
SQF-S10S4-XG-M2C	Advantech SQFlash CFast SLC, DMA, 4CH, 8/16 GB, (0 ~ 70° C)
SQF-S10S4-XG-M2E	Advantech SQFlash CFast SLC, DMA, 4CH, 8/16 GB, (-40 ~ 85° C)
SQF-S10M2-8G-M2C	Advantech SQFlash CFast MLC, DMA, 2CH, 8 GB, (0 ~ 70° C)
SQF-S10M4-XG-M2C	Advantech SQFlash CFast MLC, DMA, 4CH, 16/32/64 GB, (0 ~ 70° C)