

SQF-S10

CFAST

SQF-S25

2.5" SATA SSD



CE FCC



Flash Security ID



Life Monitoring



Flash Lock



Emergency Erase



CE FCC



Flash Security ID



Life Monitoring



Flash Lock



Emergency Erase

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

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 | CFAST Type 1 Connector |
| Flash type | Ultra MLC |
| Capacity | 8 GB to 32 GB |
| Transfer Mode | SATA II |
| Sustained R/W Performance (*) | 130/110 MB per second |
| 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) |

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) |