

SQF-SDM

SATA Disk Module (7+15-pin)

SATA Disk Module (Vertical, Housing)



RoHS
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Features

- Half 1.8" SATA module
- Compliant with SATA II and SATA v 2.6 standard
- Supports 48/32/28 bit ECC correct per 2 KB 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	Ultra MLC
Capacity	4 GB to 64 GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	130 / 110 MB per second
Storage Temperature	Commercial grade: -40 to +85° C Industrial grade: -40 to +85° C
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Shock Resistance	1,500 G, peak / 0.5 ms
Endurance	2,000,000 program/erase cycles
MTBF	> 2,000,000 hours
Dimension (mm)	54 (L) x 39 (W) x 4.5 (H)

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

Ordering Information

Part No.	Product Description
SQF-SDMU4-XG-CTE	Advantech SQFlash SATA DOM 7+15P, 4/8/16 GB Ultra MLC, 4-CH, DMA (0 ~ 70° C)
SQF-SDMU8-XG-CTE	Advantech SQFlash SATA DOM 7+15P, 32/64 GB Ultra MLC, 8-CH, DMA (0 ~ 70° C)
SQF-SDMU4-XG-ETE	Advantech SQFlash SATA DOM 7+15P, 4/8/16 GB Ultra MLC, 4-CH, DMA (-40 ~ 85° C)
SQF-SDMU8-XG-ETE	Advantech SQFlash SATA DOM 7+15P, 32/64 GB Ultra MLC, 8-CH, DMA (-40 ~ 85° C)



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Features

- Vertical type SATA DOM with housing
- Compliant with SATA II and SATA v 2.6 standard
- Supports 8-bit ECC correct per 512 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 7pin SATA connector
Flash Type	SLC
Capacity	2 GB to 32 GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	100 / 50 MB per second
Storage Temperature	Commercial grade: -55 to +95° C Industrial grade: -55 to +95° C
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1500, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Wear-Leveling	Static
Endurance	> 5,000,000 program/erase cycles
MTBF	> 3,000,000 hours
Dimension (mm)	39.4 (L) x 25 (W) x 6.5 (H)
Orientation	Vertical

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

Ordering Information

Part No.	Product Description
SQF-SDMS2-2G-CTE	Advantech SQFlash SATA DOM 2 GB SLC, 2-CH, DMA (0 ~ 70° C)
SQF-SDMS4-XG-CTE	Advantech SQFlash SATA DOM 4/8/16/32 GB SLC, 4-CH, DMA (0 ~ 70° C)
SQF-SDMS2-2G-ETE	Advantech SQFlash SATA DOM 2 GB SLC, 2-CH, DMA (-40 ~ 85° C)
SQF-SDMS4-XG-ETE	Advantech SQFlash SATA DOM 4/8/16/32 GB SLC, 4-CH, DMA (-40 ~ 85° C)