

SQF-SDM

SATA Disk Module



RoHS
COMPLIANT
2002/95/EC

CE FCC



Features

- Vertical type SATA DOM with housing
- Compliant with SATA II and SATA v 2.6 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-pin SATA connector
Flash Type	SLC
Capacity	2 to 32GB
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	1500, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Endurance	> 5,000,000 program/erase cycles
Dimensions (mm)	39.4 (L) x 25 (W) x 6.5 (H)

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

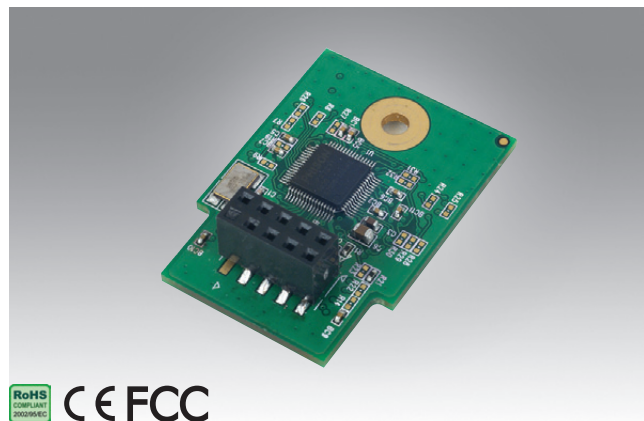
Ordering Information

PN	Description
Standard type (non-hook)	
SQF-SDMS2-2G-VNC	SQF SATA DOM V 2GB SLC 2-CH (0 ~ 70° C)
SQF-SDMS2-2G-VNE	SQF SATA DOM V 2GB SLC 2-CH (-40 ~ 85° C)
SQF-SDMS4-XG-VNC	SQF SATA DOM V 4/8/16/32 GB SLC 4-CH (0 ~ 70° C)
SQF-SDMS4-XG-VNE	SQF SATA DOM V 4/8/16/32 GB SLC 4-CH (-40 ~ 85° C)
Hook type	
SQF-SDMS2-2G-VHC	SQF SATA DOM VH 2GB SLC 2-CH (0 ~ 70° C)
SQF-SDMS2-2G-VHE	SQF SATA DOM VH 2GB SLC 2-CH (-40 ~ 85° C)
SQF-SDMS4-XG-VHC	SQF SATA DOM VH 4/8/16/32 GB SLC 4-CH (0 ~ 70° C)
SQF-SDMS4-XG-VHE	SQF SATA DOM VH 4/8/16/32 GB SLC 4-CH (-40 ~ 85° C)
Accessory	
SQF-SDM-SKT-01E	SATA 7PIN MALE SOCKET SDM HOOK TYPE

Note: X stands for different capacities

SQF-UDM

Industrial USB Disk Module



RoHS
COMPLIANT
2002/95/EC

CE FCC

Features

- Compliant with standard USB specifications
- Built-in EDC/ECC up to 12 random bits error per 512 bytes
- Advanced wear-leveling and block management
- Shock resistance, anti-vibration and low power consumption

Specifications

Connector Type	10-pin 2.54 mm pitch receptacle housing connector
Flash Type	SLC
Capacity	1 to 8GB
DC Supply Voltage	5V (±10%)
Sustained R/W Performance (*)	30/20 MB MB/sec
Operating Temperature	Commercial Grade: 0 to +70° C
Shock Resistance	2,500 G, Peak / 0.5 ms
Vibration Resistance	20 G, Peak / 80 ~ 2000 Hz
Endurance	> 5,000,000 program/erase cycles
Dimensions (mm)	26.5 x 37.8 x 10.6 (PCB Size)
Orientation	Horizontal

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

Ordering Information

Part No.	Product Description
SQF-UDMS1-1G-HAE	Advantech SQFlash 1 GB UDM HOR LP MOUNTING, NR, Type A
SQF-UDMS2-XG-HAE	Advantech SQFlash UDM HOR LP MOUNTING, NR, Type A, 2/4/8 GB
SQF-UDMS1-1G-HCE	Advantech SQFlash 1 GB UDM HOR LP MOUNTING, NR, Type C
SQF-UDMS2-XG-HCE	Advantech SQFlash UDM HOR LP MOUNTING, NR, Type C, 2/4/8 GB

Note: X stands for different capacities