

SQF-UDM

Industrial USB Disk Module



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 ($\pm 10\%$)
Power Consumption (*)	Read: 105 mA Suspend: 39 μ A
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
MTBF	> 1,600,000 hours
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

SQF-ISD

Industrial SD Card



Features

- SLC NAND Flash and wide range temperature support
- Compliant with SD system specification version 2.0
- Write protection feature using mechanical switch
- Shock resistance, anti-vibration and low power consumption

Specifications

Connector Type	SD Card
Flash Type	SLC
Capacity	SDC: 1 GB, 2 GB SDHC: 4 GB, 8 GB
Sustained R/W Performance (*)	25/12.5 MB/sec
Operating Temperature	Industrial grade: -25 to +85° C
Shock Resistance	1,500 G, Peak / 0.5 ms
Vibration Resistance	5 G, Peak / 10 ~ 2000 Hz
Endurance	> 2,000,000 program/erase cycles
MTBF	> 3,600,000 hours
Dimensions (mm)	32 (L) x 24 (W) x 2.1 (H)

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

Ordering Information

Part No.	Product Description
SQF-ISDS1-1G-ETE	Advantech SQFlash SD Card SLC 1 G, 1-CH (-25 ~ 85° C)
SQF-ISDS2-2G-ETE	Advantech SQFlash SD Card SLC 2 G, 2-CH (-25 ~ 85° C)
SQF-ISDS2-4G-ETE	Advantech SQFlash SDHC Card SLC 4 G, 2-CH (-25 ~ 85° C)
SQF-ISDS2-8G-ETE	Advantech SQFlash SDHC Card SLC 8 G, 2-CH (-25 ~ 85° C)