

SQF-UDM

Advantech Industrial USB DOM

STG-UDM

Industrial bNAND USB DOM



Features

- Fully compatible with USB Specification Version 2.0 & 1.1
- USB bus-powered capability
- Uses SLC flash only
- Capacity Range: 1 GB to 8 GB
- Supports In-System Programming

Specifications

DC Supply Voltage	5V ($\pm 10\%$)
Power Consumption (*)	Read: 105 mA Suspend: 39 μ A
Sustained Access Performance (*)	Read: Up to 32 MB/sec Write: Up to 26 MB/sec
Environmental Specifications	Operating Temperature: 0 to + 70° C Storage Temperature: -20 to + 85° C Shock: 50 g, 11msec, half sine Vibration: 5 G (10 to 500 Hz)
Certifications	CE, FCC, RoHS, PFOA, PFOS
ECC (*)	Max. 12-bit
Wear-Leveling	Dynamic and Static
Size	26.5 x 37.8 x 10.6 (mm)
Orientation	Horizontal
Host Interface	10-pin USB (2 x 5 header)

(*) The 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 G UDM HOR LP MOUNTING, NR
SQF-UDMS1-2G-HAE	Advantech SQFlash 2 G UDM HOR LP MOUNTING, NR
SQF-UDMS2-4G-HAE	Advantech SQFlash 4 G UDM HOR LP MOUNTING, NR
SQF-UDMS2-8G-HAE	Advantech SQFlash 8 G UDM HOR LP MOUNTING, NR



Features

- Fully compatible with USB Specification Version 2.0 & 1.1
- USB bus-powered capability
- Capacity: 1 GB, 2 GB
- High Reliability
- Supports OS boot, Security enhancement.

Specifications

DC Supply Voltage	5V ($\pm 5\%$)
Power Consumption (*)	Read: 150 mA Suspend: 500 μ A
Sustained Access Performance (*)	Read: Up to 17 MB/sec Write: Up to 6 MB/sec
Environmental Specifications	Operating Temperature: 0 to + 70° C Storage Temperature: -20 to + 85° C Shock: 0.5msec, 1,100 G Vibration: 16.5 G (20 to 2000 Hz)
Certifications	CE, FCC, RoHS, PFOA, PFOS
ECC	4-bit / 528 byte
Wear-Leveling	Dynamic and Static
Size	38.1 x 20.65 x 11.81 (mm)
Orientation	Horizontal
Host Interface	10-pin USB (2 x 5 header)
bNAND Features	Selectable drive configurations by UDRW Technology Data Protection by UDRW Technology

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

Ordering Information

Part No.	Product Description
STG-UDM001HA-HAE	bNAND 1G UDM HOR LP MOUNTING SCREW (G)
STG-UDM002HA-HAE	bNAND 2G UDM HOR LP MOUNTING SCREW(G)