

SQF-UDM

Advantech Industrial USB DOM

STG-UDM

Industrial bNAND USB DOM



RoHS COMPLIANT 2002/95/EC CE FCC



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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

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 (±10%) |
| Power Consumption (*) | Read: 105 mA Suspend: 39 uA |
| 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 |

Specifications

| | |
|----------------------------------|--|
| DC Supply Voltage | 5V (±5%) |
| Power Consumption (*) | Read: 150 mA Suspend: 500 uA |
| 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) |