

MICRO SD CARD



FEATURES

- Support static and global wear leveling algorithm
- i-S.M.A.R.T utility for health monitor
- Intelligent system for error recovery
- Excellent data transfer speed
- Power cycling enhanced

R: 20MB
W: 16MB

i-S.M.A.R.T
Utility

Wear
Leveling

SPI Mode
Support

ECC
Engine

Specifications

Interface	8 pin SD standard
Flash Type	SLC (Single Level Cell)
Density	1GB, 2GB, 4GB, 8GB
Transfer Mode	SD and SPI mode
Sustained R/W Performance	Read : 20 MB/sec (max.) Write : 16 MB/sec (max.)

Environmental

DC Input	2.7V to 3.6V
Power consumption (Max.)	Read: 30 mA Write: 50 mA Idle: 160 μ A
Operating Temperature	0°C~+70°C (Standard Grade) -40°C~+85°C (Industrial Grade)
Storage Temperature	-55°C~+95°C
Humidity	Relative Humidity: 10-95%, non-condensing
Flash Endurance	100,000 program/erase cycles
MTBF	> 3,000,000 hours
Certification	CE, FCC, RoHS
Warranty	5 years

Mechanicals

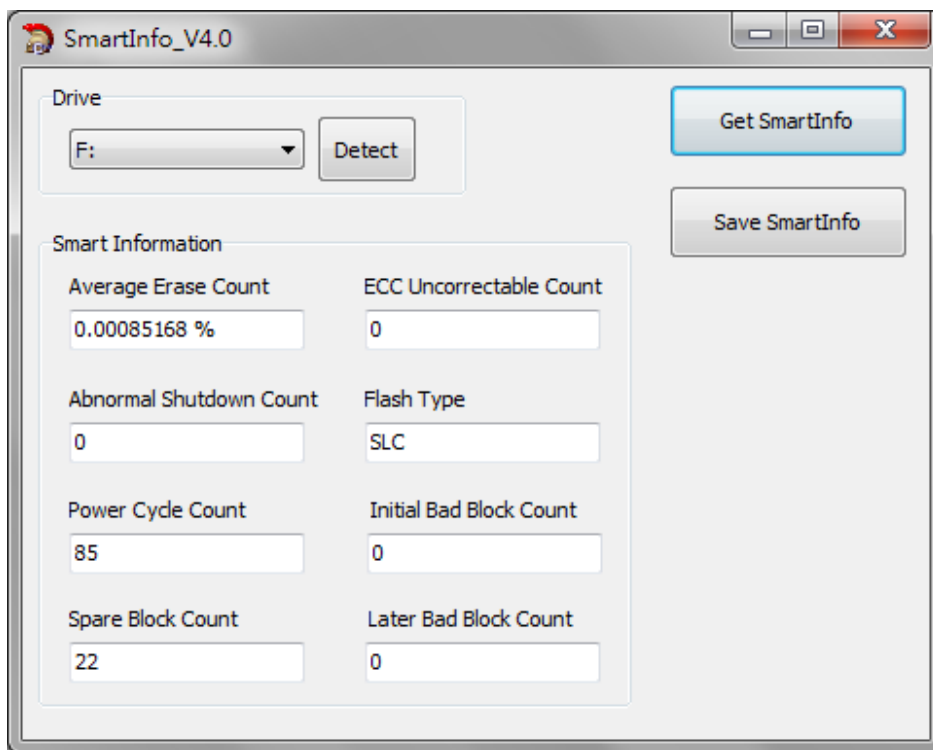
Dimension (W x L x H)	11mm x 15mm x 1mm
Weight	0.5g \pm 0.05g
Vibration	7 Hz to 2K Hz, 5G, 3 axes
Shock	Duration: 0.5ms, 50G, 3 axes

Health monitoring Tool

i-S.M.A.R.T.	Supported (Utility for Windows)
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Ordering Information

Capacity	Standard Grade	Industrial Grade
1GB	DS2M-01GI81AC1SB	DS2M-01GI81AW1SB
2GB	DS2M-02GI81AC1ST	DS2M-02GI81AW1ST
4GB	DS2M-04GI81AC1ST	DS2M-04GI81AW1ST
8GB	DS2M-08GI81AC1ST	DS2M-08GI81AW1ST



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