Apacer

The Most **Reliable**
Storage For Industries

Industrial microSD card

Industrial MicroSD(HC) card
Industrial MicroSD H1-M

Overview

Apacer Industrial microSD H1-M series conforming to SD3.0 spefication are designed with high performance, good reliability and wide compatibility, through UHS-I, supporting speed class up to U3. The new microSD 3.0 card is capable of delivering better performance and P/E cycles by the latest firmware architecture including a powerful built-in Error Correction, Read Retry , Wear Leveling & Bad Block Management algorithms.

Feature

- Compliant with SD 3.0 Specification
- S.M.A.R.T supported
- Wear-Leveling and Block Management
- Support SD mode and SPI mode
- Low Power Consumption
- Wide Temperature Support

Specifications

Model	Industrial microSDHC
Interface	SD3.0
NAND Flash Type	MLC
Capacity	4G~64G
Sustained Read Performance (MB/sec)	Up to 44
Sustained Write Performance (MB/sec)	Up to 36
ECC Engine*	Built-in 42-bit per 1K bytes BCH ECC
Standard Operating Temperature (˚C)	-25 ~ + 85
Extended Operating Temperature (˚C)	-40 ~ + 85
Storage Temperature (˚C)	-40 ~ + 85
Shock	1,500G, 0.5ms
Vibration	20Hz~80Hz/1.52mm (frequency/displacement) 80Hz~2,000Hz/20G (frequency/accelerate)
Humidity	95%
Operating Voltage	3.3 V $\pm$ 5%
Low Power Consumption	Active mode: 135 mA & Idle mode: 250 uA
Dimension (L x W x H)	15x11x1 (mm)
MTBF (hours)	>3,000,000
Features / Technology	S.M.A.R.T./Wide Temp.
Applications	Military/Cloud Computing/In-Vehicle/Gaming/HealthCare/Embedded System

Ordering Info

Model	Standard temp: -25~85	Extended temp: -40~85
4G	AP-MSD04GCA-1GTM	AP-MSD04GIA-1GTM
8G	AP-MSD08GCA-1GTM	AP-MSD08GIA-1GTM
16G	AP-MSD16GCA-1GTM	AP-MSD16GIA-1GTM
32G	AP-MSD32GCA-1GTM	AP-MSD32GIA-1GTM
64G	AP-MSD64GCA-1FTM	AP-MSD64GIA-1FTM

Global Presence

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