Apacer

The Most **Reliable** Storage For Industries

Industrial SD card



Apacer

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ISD

Overview



The Apacer industrial SD features with high reliability and resistance to extended temperatures be widely applied to industrial, military, communication, surveillance, medical devices and car navigation, thereby satisfying the storage need of demanding industrial enterprises.

The series of SD-M adopts vendor guaranteed wide-temp MLC chips for the highest reliability, while the firmware and controller can be tailored to customer's specifications and verification, which reduces the risk of compatibility. To ensure that data stay correct, the industrial SD card supports 24-bit ECC function, which minimizes potential errors led by frequent data access to strengthen the system reliability. Also complete with integrated Global Wear leveling and S.M.A.R.T technology, the SD card features a prolonged lifespan as well as safer data storage.

Feature

- Industrial Grade SD card
- S.M.A.R.T supported
- Wear-Leveling and Block Management
- Auto Standby and Sleep Mode Support
- Golden finger 30u"

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Specifications

Model	Industrial SD-M
Interface	SD2.0
NAND Flash Type	MLC
Capacity	SDHC:4GB~32GB
Sustained Read Performance (MB/sec)	Up to 19
Sustained Write Performance (MB/sec)	Up to 8
ECC Engine*	Built-in 24-bit per 1K bytes BCH ECC
Standard Operating Temperature (˚C)	0 ~ + 70
Extended Operating Temperature (˚C)	-40 ~ + 85
Storage Temperature (˚C)	-40 ~ + 100
Shock	1,000G, 0.5ms
Vibration	10Hz~50Hz/3mm (frequency/displacement) 50Hz~2,000Hz/15G (frequency/accelerate)
Humidity	95%
Operating Voltage	3.3 V ± 5%
Low Power Consumption	Active mode: 55 mA & Idle mode: 105 mA
Dimension (L x W x H)	24x32x2.1 (mm)
MTBF (hours)	>1,000,000
Features / Technology	S.M.A.R.T./Wide Temp.
Applications	Military/Cloud Computing/In-Vehicle/Gaming/HealthCare/Embedded System

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Ordering Info

Model	Standard temp: 0~70	Extended temp:-40~85
4G	AP-ISD04GCS4A-2CM	AP-ISD04GIS4B-2CM
8G	AP-ISD08GCS4A-2CM	AP-ISD08GIS4B-2CM
16G	AP-ISD16GCS4A-2CM	AP-ISD16GIS4B-2CM
32G	AP-ISD32GCD4A-2CM	AP-ISD32GID4B-2CM

Global Presence

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