

Apacer

The Most **Reliable**
Storage For Industries



Industrial SD card



Industrial SD card ISD

Overview

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



Compliant with Ver. 2.0 standard and SDHC Class 10 high-speed transmission standard as defined by the SD Association, Apacer ISD also supports SD and SPI modes. By using the superbly reliable SLC chip, it not only delivers the features of anti-shock, anti-vibration and low power consumption, but also boasts resistance to extended temperatures (-40°C to 85°C). Available in capacities from 256 MB to 32 GB, and with its last but not the least advantage of automatic standby and sleep modes help save power more effectively.

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"

Specifications

Model	Industrial SD
Interface	SD2.0
NAND Flash Type	SLC
Capacity	SD:256MB~2GB;SDHC:4GB~32GB
Sustained Read Performance (MB/sec)	Up to 23
Sustained Write Performance (MB/sec)	Up to 17
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)	>2,000,000
Features / Technology	S.M.A.R.T./Wide Temp.
Applications	Military/Cloud Computing/In-Vehicle/Gaming/HealthCare/Embedded System

Ordering Info

Model	Standard temp: 0~70	Extended temp:-40~85
256MB	AP-ISD256CS2A-8T	AP-ISD256IS2B-8T
512MB	AP-ISD512CS2A-8T	AP-ISD512IS2B-8T
1G	AP-ISD01GCS2A-8T	AP-ISD01GIS2B-8T
2G	AP-ISD02GCS2A-8T	AP-ISD02GIS2B-8T
4G	AP-ISD04GCS4A-8T	AP-ISD04GIS4B-8T
8G	AP-ISD08GCD4A-8T	AP-ISD08GID4B-8T
16G	AP-ISD16GCD4A-8T	AP-ISD16GID4B-8T
32G	AP-ISD32GCD4A-8T	AP-ISD32GID4B-8T

Global Presence

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Mouser Electronics

Authorized Distributor

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Apacer:

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