

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

<b>Model</b>	Industrial SD
<b>Interface</b>	SD2.0
<b>NAND Flash Type</b>	SLC
<b>Capacity</b>	SD:256MB~2GB;SDHC:4GB~32GB
<b>Sustained Read Performance (MB/sec)</b>	Up to 23
<b>Sustained Write Performance (MB/sec)</b>	Up to 17
<b>ECC Engine*</b>	Built-in 24-bit per 1K bytes BCH ECC
<b>Standard Operating Temperature ( °C )</b>	0 ~ + 70
<b>Extended Operating Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 100
<b>Shock</b>	1,000G, 0.5ms
<b>Vibration</b>	10Hz~50Hz/3mm (frequency/displacement) 50Hz~2,000Hz/15G (frequency/accelerate)
<b>Humidity</b>	95%
<b>Operating Voltage</b>	3.3 V ± 5%
<b>Low Power Consumption</b>	Active mode: 55 mA & Idle mode: 105 mA
<b>Dimension (L x W x H )</b>	24x32x2.1 (mm)
<b>MTBF (hours)</b>	>2,000,000
<b>Features / Technology</b>	S.M.A.R.T./Wide Temp.
<b>Applications</b>	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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