

# Apacer



The Most **Reliable**  
Storage For Industries



Industrial SD card



## Industrial SD card ISD H1-M

### Overview

Apacer Industrial Secure Digital 3.0 card is ideal for its high performance, good reliability and wide compatibility. Not to mention that it's well adapted for hand-held applications in semi-industrial/medical markets already. Apacer industrial SD card H1-M series providing wide range capacities from 4GB to 128GB fully compliant to SD3.0, and SD2.0 specifications are built with MLC NAND Flash and the latest firmware including read disturb , wear Leveling & Bad Block Management algorithms .Furthermore, by adapting very particular flash IC and IC packaging configuration, this product also has an optional industrial -45C to 85C extended temperature range version.



### Feature

- Compliant with SD 3.0 Specification
- S.M.A.R.T supported
- Wear-Leveling and Block Management
- Support Class 10 with UHS-I
- Low Power Consumption
- Wide Temperature Support(Optional)

## Specifications

<b>Model</b>	Industrial SD
<b>Interface</b>	SD3.0
<b>NAND Flash Type</b>	MLC
<b>Capacity</b>	SDHC:4GB~128GB
<b>Sustained Read Performance (MB/sec)</b>	Up to 43
<b>Sustained Write Performance (MB/sec)</b>	Up to 25
<b>ECC Engine*</b>	Built-in 42-bit per 1K bytes BCH ECC
<b>Standard Operating Temperature ( °C )</b>	-25 ~ + 85
<b>Extended Operating Temperature ( °C )</b>	-40 ~ + 85
<b>Storage Temperature ( °C )</b>	-40 ~ + 85
<b>Shock</b>	1,500G, 0.5ms
<b>Vibration</b>	20Hz~80Hz/1.52mm (frequency/displacement) 80Hz~2,000Hz/20G (frequency/accelerate)
<b>Humidity</b>	95%
<b>Operating Voltage</b>	3.3 V ± 5%
<b>Low Power Consumption</b>	Active mode: 145 mA & Idle mode: 235 uA
<b>Dimension (L x W x H )</b>	24x32x2.1 (mm)
<b>MTBF (hours)</b>	>3,000,000
<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: -25~85	Extended temp: -40~85
4G	AP-ISD004GCA-1GTM	AP-ISD004GIA-1GTM
8G	AP-ISD008GCA-1GTM	AP-ISD008GIA-1GTM
16G	AP-ISD016GCA-1GTM	AP-ISD016GIA-1GTM
32G	AP-ISD032GCA-1GTM	AP-ISD032GIA-1GTM
64G	AP-ISD064GCA-1FTM	AP-ISD064GIA-1FTM
128G	AP-ISD128GCA-1FTM	AP-ISD128GIA-1FTM

## Global Presence

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