Apacer

The Most **Reliable** Storage For Industries

Industrial SD card

Apacer
SD XC I U3 10
WIDE TEMPERATURE
128GB

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

Model	Industrial SD
Interface	SD3.0
NAND Flash Type	MLC
Capacity	SDHC:4GB~128GB
Sustained Read Performance (MB/sec)	Up to 43
Sustained Write Performance (MB/sec)	Up to 25
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 ± 5%
Low Power Consumption	Active mode: 145 mA & Idle mode: 235 uA
Dimension (L x W x H)	24x32x2.1 (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-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

Mouser Electronics

Authorized Distributor

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AP-ISD004GCA-1GTM AP-ISD032GIA-1GTM AP-ISD016GIA-1GTM AP-ISD016GCA-1GTM AP-ISD004GIA-1GTM
AP-ISD008GIA-1GTM AP-ISD008GCA-1GTM