



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

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

Taiwan (Headquarters)
Apacer Technology Inc.
Tel: +886-2-2267-8000
Fax: +886-2-2267-2261

Europe
Apacer Technology B.V.
Tel: +31-40-267-0000
Fax: +31-40-290-0686

U.S.A.
Apacer Memory America, Inc.
Tel: +1-408-518-8699
Fax: 1-510-249-9551

China
Apacer Electronic(Shanghai)
Co., Ltd.
Tel: +86-21-6228-9939

Japan
Apacer Technology Corp.
Tel: +81-3-5419-2668
Fax: +81-3-5419-0018

India
Apacer Technologies Pvt. Ltd.
Tel: +91-80-41529061~3
Fax: +91-80-41700215