



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!



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# Apacer



The Most **Reliable**  
Storage For Industries



Industrial microSD card



## Industrial MicroSD(HC) card

### Industrial MicroSD H1-M

#### Overview

Apacer Industrial microSD H1-M series conforming to SD3.0 specification are designed with high performance, good reliability and wide compatibility, through UHS-I, supporting speed class up to U3. The new microSD 3.0 card is capable of delivering better performance and P/E cycles by the latest firmware architecture including a powerful built-in Error Correction, Read Retry, Wear Leveling & Bad Block Management algorithms.



#### Feature

- Compliant with SD 3.0 Specification
- S.M.A.R.T supported
- Wear-Leveling and Block Management
- Support SD mode and SPI mode
- Low Power Consumption
- Wide Temperature Support

## Specifications

<b>Model</b>	Industrial microSDHC
<b>Interface</b>	SD3.0
<b>NAND Flash Type</b>	MLC
<b>Capacity</b>	4G~64G
<b>Sustained Read Performance (MB/sec)</b>	Up to 44
<b>Sustained Write Performance (MB/sec)</b>	Up to 36
<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: 135 mA & Idle mode: 250 uA
<b>Dimension (L x W x H )</b>	15x11x1 (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-MSD04GCA-1GTM	AP-MSD04GIA-1GTM
8G	AP-MSD08GCA-1GTM	AP-MSD08GIA-1GTM
16G	AP-MSD16GCA-1GTM	AP-MSD16GIA-1GTM
32G	AP-MSD32GCA-1GTM	AP-MSD32GIA-1GTM
64G	AP-MSD64GCA-1FTM	AP-MSD64GIA-1FTM

## Global Presence

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