



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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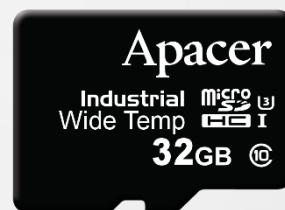
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Apacer

The Most **Reliable**
Storage For Industries

Industrial microSD H1-SL

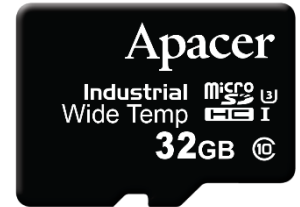


Industrial microSD H1-SL

Overview

Apacer Industrial microSD H1-SL series conforming to SD3.0 specification supports speed class up to U3 through UHS-I. The microSD H1-SL 3.0 card built with MLC NAND Flash is capable of delivering better performance by the latest firmware architecture including a powerful built-in Error Correction, Read Retry , Wear-leveling and Bad Block Management algorithms.

Furthermore, with Apacer's SLC-lite technology, it performs with an outstanding number of P/E cycles up to 20,000 , but lower cost than SLC. This product is well suited for portable flash storage applications while operating at minimal power consumption.



Feature

- Compliant with SD 3.0 Specification
- S.M.A.R.T Supported
- Support SD Mode and SPI Mode
- Wear-leveling and Block Management
- Support Class 10 with UHS-I
- SLC-Lite Technology
- Low Power Consumption
- Auto Read Refresh
- Power Failure Management

Specifications

Model	Industrial microSD H1-SL
Interface	SD3.0
Form Factor	microSD
NAND Flash Type	MLC
Capacity	4GB~32GB
Sustained Read Performance (MB/sec)	Up to 43
Sustained Write Performance (MB/sec)	Up to 40
ECC Engine	Built-in 40-bit per 1K bytes BCH ECC
Standard Operating Temperature (°C)	-25 ~ + 85
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 85
Shock	(Operating)1,500G, 0.5ms
Vibration	20Hz~80Hz/1.52mm (frequency/displacement) 80Hz~2,000Hz/20G (frequency/accelerate)
Operating Voltage	3.3 V±5%
Power Consumption	Active mode: 135 mA & Idle mode: 250 uA
Dimension (L x W x H)	15x11x1 (mm)
MTBF (hours)	>3,000,000

**For more information,
contact your Apacer representative**

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