

Apacer

The Most **Reliable**
Storage For Industries

Industrial microSD H1-SL

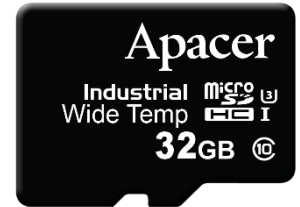


Industrial microSD H1-SL

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,
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