

Apacer

The Most **Reliable**  
Storage For Industries



Industrial microSD H1-SL



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### 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

<b>Model</b>	Industrial microSD H1-SL
<b>Interface</b>	SD3.0
<b>Form Factor</b>	microSD
<b>NAND Flash Type</b>	MLC
<b>Capacity</b>	4GB~32GB
<b>Sustained Read Performance (MB/sec)</b>	Up to 43
<b>Sustained Write Performance (MB/sec)</b>	Up to 40
<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>	(Operating)1,500G, 0.5ms
<b>Vibration</b>	20Hz~80Hz/1.52mm (frequency/displacement) 80Hz~2,000Hz/20G (frequency/accelerate)
<b>Operating Voltage</b>	3.3 V ± 5%
<b>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

## 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