

Apacer

The Most **Reliable**  
Storage For Industries



Industrial SD H1-SL



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### 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. The H1-SL series providing wide range capacities from 4GB to 64GB 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, with Apacer's SLC-lite technology, it performs with higher 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
- Wear-leveling and Block Management
- Support Class 10 with UHS-I
- SLC-Lite Technology
- Power Failure Management
- Auto Read Refresh

## Specifications

<b>Model</b>	Industrial SD H1-SL
<b>Interface</b>	SD3.0
<b>Form Factor</b>	SD
<b>NAND Flash Type</b>	MLC
<b>Capacity</b>	SDHC:4GB~64GB
<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>	1,500G, 0.5ms
<b>Vibration</b>	20Hz~80Hz/1.52mm (frequency/displacement) 80Hz~2,000Hz/20G (frequency/accelerate)
<b>Operating Voltage</b>	2.7V ~ 3.6V
<b>Power Consumption</b>	Active mode: 145 mA & Idle mode: 240 uA
<b>Dimension (L x W x H )</b>	32x24x2.1 (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