

# Apacer

The Most **Reliable**  
Storage For Industries



## Industrial SD H1-M



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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-M series providing wide range capacities from 4GB to 128GB 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, this product also has an optional -45C to 85C extended temperature range version to withstand the extreme environmental condition.



### Feature

- Compliant with SD 3.0 Specification
- S.M.A.R.T supported
- Wear-Leveling and Block Management
- Support Class 10 with UHS-I
- Power Failure Management
- Auto Read Refresh

## Specifications

<b>Model</b>	Industrial SD H1-M
<b>Interface</b>	SD3.0
<b>Form Factor</b>	SD
<b>NAND Flash Type</b>	MLC
<b>Capacity</b>	SDHC:4GB~128GB
<b>Sustained Read Performance (MB/sec)</b>	Up to 43
<b>Sustained Write Performance (MB/sec)</b>	Up to 25
<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: 235 uA
<b>Dimension (L x W x H )</b>	32x24x2.1 (mm)
<b>MTBF (hours)</b>	>3,000,000

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

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