

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

Model	Industrial SD H1-SL
Interface	SD3.0
Form Factor	SD
NAND Flash Type	MLC
Capacity	SDHC:4GB~64GB
Sustained Read Performance (MB/sec)	Up to 43
Sustained Write Performance (MB/sec)	Up to 40
ECC Engine	Built-in 42-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: 145 mA & Idle mode: 240 uA
Dimension (L x W x H)	32x24x2.1 (mm)
MTBF (hours)	>3,000,000

Global Presence

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