

Apacer

The Most **Reliable**
Storage For Industries



Industrial microSD H1-M



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Overview

Apacer Industrial microSD H1-M series conforming to SD3.0 specification are designed with high performance, good reliability, wide compatibility, and through UHS-I, supporting speed class up to U3. The microSD 3.0 card is capable of delivering better performance and P/E cycles by the latest firmware architecture including a powerful built-in Error Correction, Read Retry, Wear Leveling & Bad Block Management algorithms.



Feature

- Compliant with SD 3.0 Specification
- S.M.A.R.T supported
- Wear-Leveling and Block Management
- Support SD mode and SPI mode
- Low Power Consumption
- Auto Read Refresh
- Power Failure Management

Specifications

Model	Industrial microSD H1-M
Interface	SD3.0
Form Factor	microSD
NAND Flash Type	MLC
Capacity	4G~128G
Sustained Read Performance (MB/sec)	Up to 75
Sustained Write Performance (MB/sec)	Up to 65
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	Operating: 155 Ma & Standby: 445 µA
Dimension (L x W x H)	15x11x1 (mm)
MTBF (hours)	>3,000,000

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