

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 |

For more information, contact your Apacer representative

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