Apacer

The Most **Reliable**
Storage For Industries

Industrial microSD R1

Apacer
Industrial
Extended Temp
microSDHC U1 I
8GB 10

Apacer

Industrial microSD R1

Overview

R1 microSD memory cards are built with original high-quality SLC chips and are subject to rigorous environmental testing. Used with page mapping firmware, it increases the random read and write speed several tens of megabytes per second faster, making it more effective in processing small random writes. The value-adding function of firmware technology also significantly reduces the write amplification factor (WAF), prolonging product life and durability. Furthermore, customized firmware optimizing tools, such as write protect, protect stored contents, ensuring date security and integrity.

Compatible with the latest SD3.0 interface, the Apacer R1-series microSD memory cards are available in capacities of 1 to 8GB despite their small form factor and demonstrate excellent performance while consuming little power.

Feature

- Compliant with SD 3.0 Specification
- S.M.A.R.T supported
- Page mapping
- Support SD mode and SPI mode
- Global Wear-Leveling and Block Management
- Read disturb management
- Low Power Consumption

Specifications

Model	Industrial microSD R1
Interface	SD3.0
Form Factor	microSD
NAND Flash Type	SLC
Capacity	SD:1GB~2GB;SDHC:4~8GB
Sustained Read Performance (MB/sec)	Up to 43
Sustained Write Performance (MB/sec)	Up to 41
ECC Engine	Built-in 43-bit per 1K bytes BCH ECC
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Shock	(Operating) 1,500G, 0.5ms
Vibration	Operating: 7.69(Grms), 20~2000(Hz)/random (comply with MIL-STD-810G) Non-operating: 4.02(Grms), 15~2000(Hz)/random (comply with MIL-STD-810G)
Operating Voltage	3.3 V ± 5%
Power Consumption	Active mode: 115 mA & Idle mode: 265 uA
Dimension (L x W x H)	15x11x1 (mm)
MTBF (hours)	>3,000,000

For more information, contact your Apacer representative

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