





- Industry Standard SD Card Version 1.1 and Version 2.0
- Card Capacities 128MB to 8GB
- Interface Supports:
 - SD Interface
 - SPI Mode
- Voltage Range 2.7V to 3.6V
- Traceability Electronic Code
- Solid State Design Without Moving Part
- Industry Leading:
 - Data Reliability
 - Shock & Vibration
 - Operating Temp Range
 - Data Transfer Rates
- Zero dB Noise
- 4-Million Hour MTBF
- 5-year Warranty





Performance

Read Data Transfer Rate : 20MB/sec Write Data Transfer Rate : 17MB/sec

Reliability

Supports Wear Leveling
Supports ECC

Less Than 1 Error in 10¹⁵ Bits Read MTBF 4,000,000 Hours

Environmental & Power

Operating Temperature Range

Standard : -25° C to $+85^{\circ}$ C Industrial : -45° C to $+90^{\circ}$ C

Power Consumption

3.3V±10%

Read : 40mA Write : 75mA Sleep : 180uA

Shock & Vibration

hock : 50G

Vibration: 15G peak-to-peak

Industrial Grade Secure Digital Card

Interface SD Card Version 1.1 and Version 2.0

Interface Transfer Rate 25 MB/sec

Power Requirement DC Input Voltage $3.3V \pm 10\%$

Read

Write

Sleep 180uA

Environmental Specification Standard Temperature -25°C to +85°C

Extended Temperature -45°C to +90°C

Humidity 8-95%, non-condensing

40mA

75mA

Acoustic Noise 0 dB

Vibration 15G peak to peak max.

Shock 50G max.

Altitude 100,000 feet max.

Reliability and Maintenance Endurance 2,000,000 erase cycles per block

MTBF 4,000,000 Hours

Data Reliability less than 1 Error in 10¹⁵ bits read

Card Capacity 128MB – 8GB

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