

## microSD Card (SLC)

SMART's SLC Flash based microSD memory card product is fully SD compliant. Offered in commercial and industrial temperature versions in capacities from 1GB to 4GB based on 32nm and 24nm SLC Flash technologies, the microSD cards are specifically designed to meet strict industrial operating and environmental requirements.

SMART Modular's SLC Flash based microSD card products comply with SD v3.0 SDSC standard with performance up to 21MB/s read and 18MB/s write.

Incorporating onboard error detection and correction algorithms and static and dynamic wear leveling techniques, SMART's microSD card products ensure years of reliable operation over a product's life.

### Features & Benefits

- Capacities:
  - SLC: 1GB to 4GB
- Low power dissipation
- Onboard wear leveling
- RoHS compliant

### Product Family Overview

Density	Read Max	Write Max
<b>SLC microSD Card</b>		
1GB to 4GB	21MB/s	18MB/s



### Applications

- Telecom and communications
- Embedded computing
- Medical equipment
- Industrial meters and industrial control
- Networking

microSD Card

## Specifications

SLC microSD	
<b>Performance</b>	
Read (maximum)	21MB/s
Write (maximum)	18MB/s
<b>Capacity</b>	
Capacity	1GB to 4GB
<b>Power</b>	
Vcc	2.7 - 3.6 V
<b>Environmental</b>	
Operating Temperature	-25°C to 85°C -40°C to 85°C
Storage Temperature	-40°C to 85°C
Humidity	25° C to 95 percent
<b>Mechanical</b>	
Length	15 mm
Width	11 mm
Height	0.7/1.0 mm

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### Contact information

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