

Datasheet

Industrial SD Card 3ME3

- SD 3.0 interface
- High performance
- Power fail Management
- BCH ECC algorithm implement



Introduction

Innodisk 3ME3 is an industrial-grade SD card solution with an integrated industrial controller, which is designed for embedded applications. With enhanced flash technologies and a powerful configurable BCH ECC engine, SD 3ME3 can achieve high-speed data transfer rates.

Innodisk industrial SD 3ME3 provides a wide range of capacities from 8GB to 128GB with MLC NAND Flash, and is fully compliant with SD3.0 and SD2.0 specifications.

Innodisk industrial SD 3ME3 are specifically designed for industrial PC and embedded applications for high performance. With its low power consumption and the above mentioned features, Innodisk industrial SD 3ME3 can be applied for industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile applications.

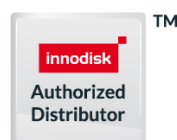
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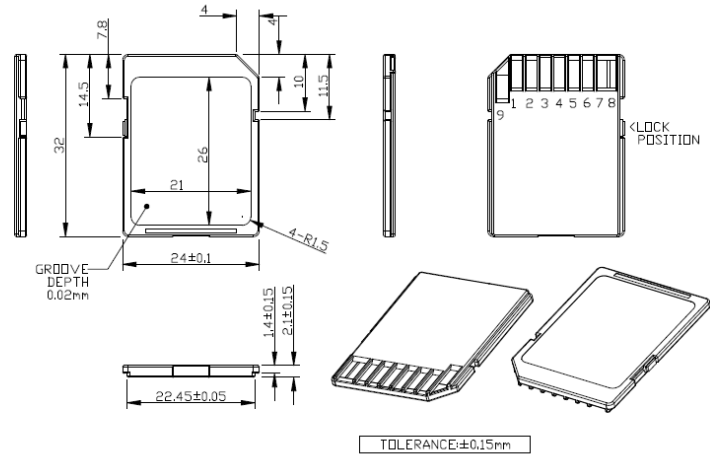
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Diagram



Specifications

Interface	SD 3.0
Flash Type	MLC
Capacity	8GB~128GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	80/46
Max. Power Consumption	0.56W (3.6V x 158mA)
Thermal Sensor	-
Extended DRAM buffer	-
H/W Write Protect	√
ATA Security	-
S.M.A.R.T.	-
Dimension (WxLxH)	24 X 32.0 X 2.1 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours Endurance:3,000 P/E cycles

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Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB
Standard Grade (-20°C ~ +85°C)	DESDC-08GS02BC1SC	DESDC-16GS02BC1SC	DESDC-32GS02BC1SC	DESDC-64GS02BC1SC	DESDC-A28S02BC1SC
Industrial Grade (-40°C ~ +85°C)	DESDC-08GS02BW1SC	DESDC-16GS02BW1SC	DESDC-32GS02BW1SC	DESDC-64GS02BW1SC	DESDC-A28S02BW1SC

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