

Datasheet

Industrial SD Card 3IE3

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



Introduction

Innodisk 3IE3 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 3IE3 can achieve high-speed data transfer rates.

Innodisk industrial SD 3IE3 provides a wide range of capacities from 4GB to 64GB with MLC NAND Flash, and is fully compliant with SD3.0 and SD2.0 specifications.

Innodisk industrial SD 3IE3 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 3IE3 can be applied for industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile applications.

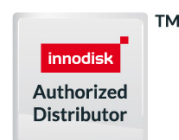
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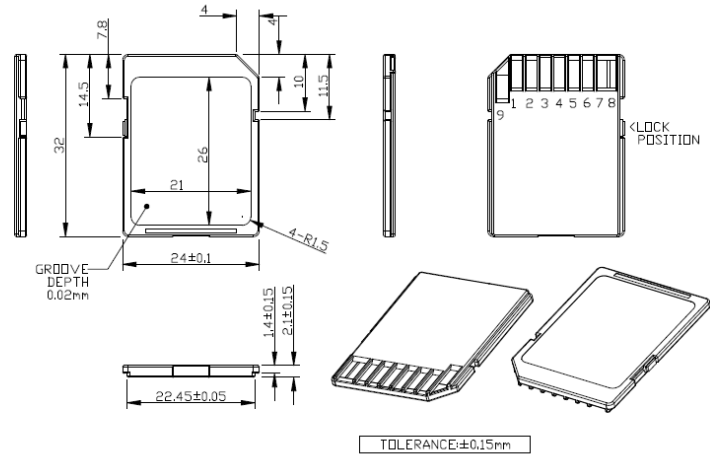
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Diagram



Specifications

Interface	SD 3.0
Flash Type	iSLC
Capacity	4GB~64GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	70/70
Max. Power Consumption	0.47W (3.3V x 143mA)
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:20,000 P/E cycles

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Ordering Information

Operation Temp.	4GB	8GB	16GB	32GB	64GB
Extend Grade (-25°C ~ +85°C)	DHSDC- 04GS02BE1SC	DHSDC- 08GS02BE1SC	DHSDC- 16GS02BE1SC	DHSDC- 32GS02BE1SC	DHSDC- 64GS02BE1SC
Industrial Grade (-40°C ~ +85°C)	DHSDC- 04GS02BW1SC	DHSDC- 08GS02BW1SC	DHSDC- 16GS02BW1SC	DHSDC- 32GS02BW1SC	DHSDC- 64GS02BW1SC



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