

Datasheet

Industrial SD Card 3IE4

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



Introduction

Innodisk 3IE4 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 LDPC ECC engine, SD 3IE4 can achieve high-speed data transfer rates.

Innodisk industrial SD 3IE4 provides a wide range of capacities from 8GB to 64GB with TLC NAND Flash, and is fully compliant with SD3.0 and SD2.0 specifications.

Innodisk industrial SD 3IE4 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 3IE4 can be applied for industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile applications.

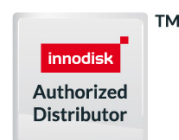
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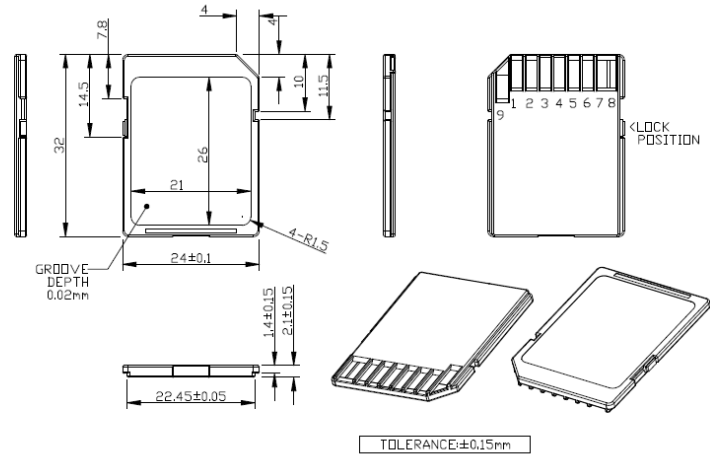


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Industrial SD Card

3IE4

Diagram



Specifications

Interface	SD 3.0
Flash Type	iSLC
Capacity	8GB~64GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	90/80
Max. Power Consumption	0.43W (3.3V x 130mA)
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:30,000 P/E cycles

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Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB
Extend Grade (-25°C ~ +85°C)	DHSDC-08GS06EE1SL	DHSDC-16GS06GE1SL	DHSDC-32GS06GE1SL	DHSDC-64GS06GE1SL
Industrial Grade (-40°C ~ +85°C)	DHSDC-08GS06EW1SL	DHSDC-16GS06GW1SL	DHSDC-32GS06GW1SL	DHSDC-64GS06GW1SL

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