

Datasheet

Industrial SD Card

3IE4

- Compliant with SD 6.1/ SD 3.0/ SD 2.0 interface
- Support Class 10 with UHS-III
- 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 SD6.1, 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.

Industrial SD Card 3IE4

Contact us for more information
about the Industrial SD Card 3IE4.

Innodisk is a service-driven provider of industrial embedded flash storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.

Headquarters (Taiwan)

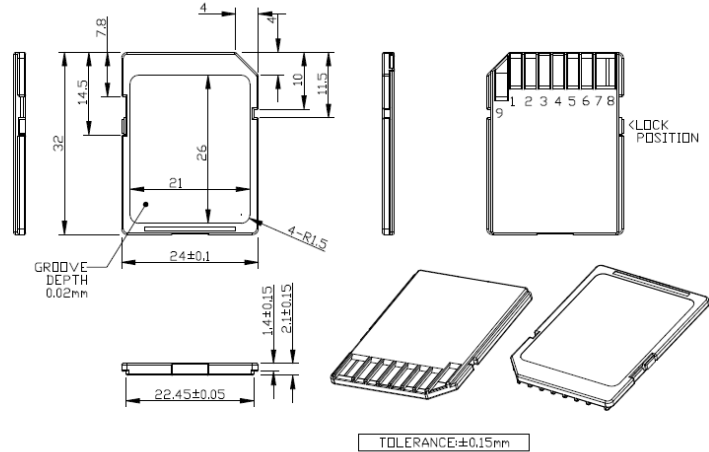
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Diagram



Specifications

Interface	SD 6.1 / SD 3.0
Flash Type	ISLC (3D TLC)
Capacity	8GB~64GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	90/80
Max. Power Consumption	0.5W
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: -40°C ~ +85°C MTBF: 3 million hours Endurance: 30,000 P/E cycles; 100,000 P/E cycles(112-L)

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB
Extended Grade (-25°C ~ +85°C)	DHSDC-08GS06EE1SL	DHSDC-16GS06%E1SL	DHSDC-32GS06%E1SL	DHSDC-64GS06%E1SL
Industrial Grade (-40°C ~ +85°C)	DHSDC-08GS06EW1SL	DHSDC-16GS06%W1SL	DHSDC-32GS06%W1SL	DHSDC-64GS06%W1SL

%: G: 96 layers 3D TLC; K: 112 layers 3D TLC

8GB is only supported by 64 layers 3D TLC.

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