

Datasheet

# Industrial SD Card

## 3SE3

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



## Introduction

Innodisk 3SE3 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 3SE3 can achieve high-speed data transfer rates.

Innodisk industrial SD 3SE3 provides a wide range of capacities from 4GB to 32GB with SLC NAND Flash, and is fully compliant with SD3.0 and SD2.0 specifications.

Innodisk industrial SD 3SE3 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 3SE3 can be applied for industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile applications.

# Industrial SD Card 3SE3

Contact us for more information  
about the Industrial SD Card 3SE3.

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.

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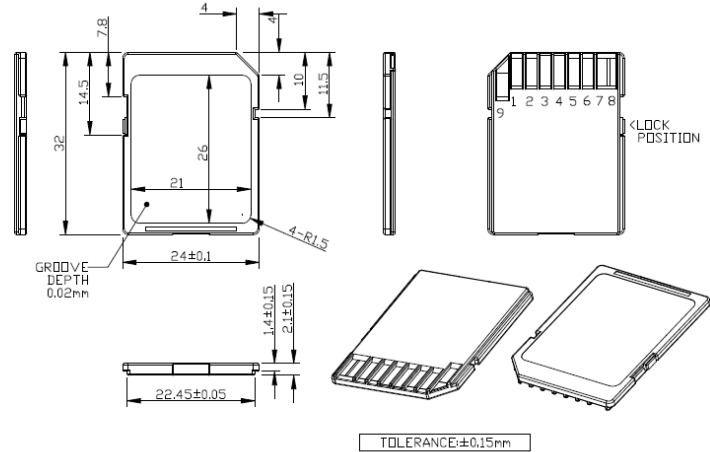
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## Diagram



## Specifications

Interface	SD 3.0
Flash Type	SLC
Capacity	4GB~32GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	37/31
Max. Power Consumption	0.40W (3.3V x 123mA )
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:60,000 P/E cycles

## Ordering Information

Operation Temp.	4GB	8GB	16GB	32GB
Extend Grade (-25°C ~ +85°C)	DESDC-04GS02AE1SB	DESDC-08GS02AE1SB	DESDC-16GS02AE1SB	DESDC-32GS02AE1SB
Industrial Grade (-40°C ~ +85°C)	DESDC-04GS02AW1SB	DESDC-08GS02AW1SB	DESDC-16GS02AW1SB	DESDC-32GS02AW1SB