

Datasheet

# Industrial SD Card

## SD 3.0 series

- SD 3.0 interface
- Supports SD/SPI mode
- Power fail Management
- Redundant firmware
- Flexible ECC engine
- Dynamic Data refresh
- Customizable



### Introduction

Innodisk industrial SD card 3.0 series are specifically designed for industrial PC and embedded applications. The 3.0 series SD card has latest firmware architecture and Flash algorithms, including superior wear leveling, read disturb management, and power fail management ensuring highest reliability and endurance.

Innodisk industrial SD card 3.0 series provide wide range capacities from 128MB to 32GB within SLC NAND Flash, and 4GB to 64GB within MLC NAND Flash, and fully compliant to SD3.0, and SD2.0 specifications.

With its low power consumption and features above, Innodisk industrial SD card 3.0 series can be applied on industrial automation, SBC (single-board computer), medical equipment, infotainment, and mobile application.

# Industrial SD Card

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Contact us for more information about the Industrial SD Card SD 3.0.

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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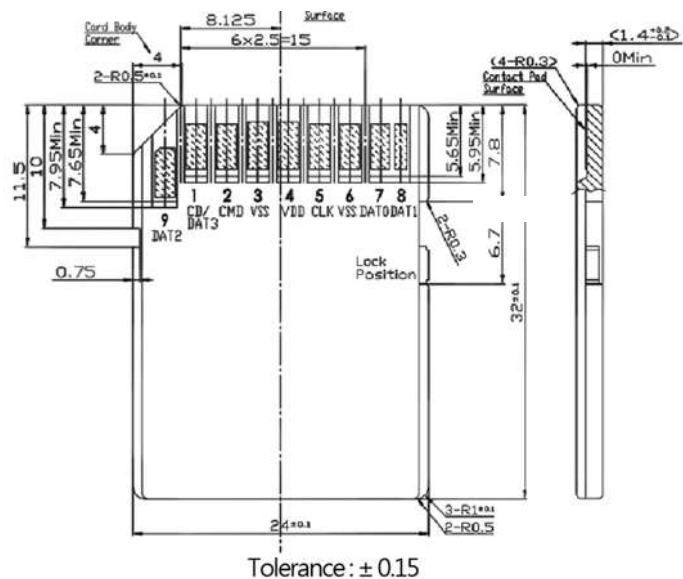
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### Diagram



### Specifications

Interface	SD 3.0
Flash Type	MLC
Capacity	4GB~64GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	45/21
Max. Power Consumption	0.25W (3.3V x 77mA )
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

### Ordering Information

Operation Temp.	4GB	8GB	16GB	32GB	64GB
Standard Grade (-20°C ~ +85°C)	DESDC-04GY81RC2SC	DESDC-08GY81RC2SC	DESDC-16GY81RC2SC	DESDC-32GY81RC2SC	DESDC-64GY81RC2SC
Industrial Grade (-40°C ~ +85°C)	DESDC-04GY81RW2SC	DESDC-08GY81RW2SC	DESDC-16GY81RW2SC	DESDC-32GY81RW2SC	DESDC-64GY81RW2SC

