

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.

Headquarters (Taiwan)

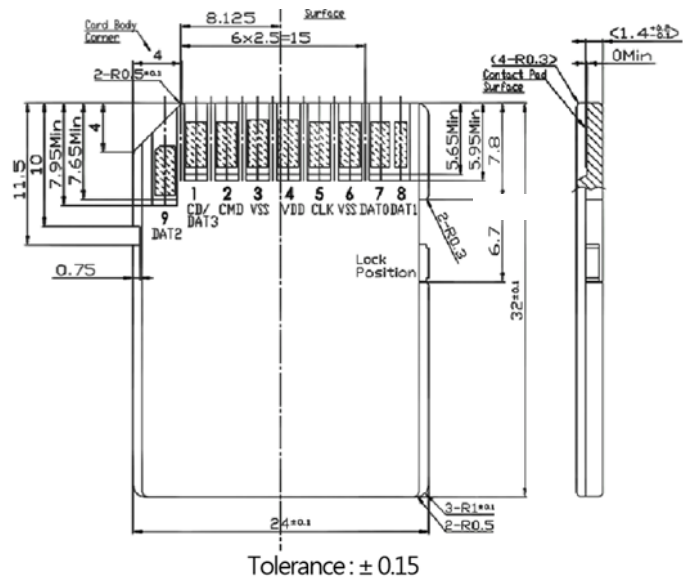
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Diagram



Specifications

Interface	SD 3.0
Flash Type	SLC
Capacity	128MB~32GB
Max. Channels	1
Sequential R/W (MB/sec, max.)	23/21
Max. Power Consumption	0.22W (3.3V x 69mA)
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

20150211

Ordering Information

Operation Temp.	128MB	256MB	512MB	01GB	02GB	04GB	08GB	16GB	32GB
Standard Grade (-20°C ~ +85°C)	DESDC-128Y81 AC1SB	DESDC-256Y81 AC1SB	DESDC-512Y81 AC1SB	DESDC-01GY81 AC1SB	DESDC-02GY81 AC1SB	DESDC-04GY81 AC1SB	DESDC-08GY81 AC1SB	DESDC-16GY81 AC1SB	DESDC-32GY81 AC1SB
Industrial Grade (-40°C ~ +85°C)	DESDC-128Y81 AW1SB	DESDC-256Y81 AW1SB	DESDC-512Y81 AW1SB	DESDC-01GY81 RW1SB	DESDC-02GY81 RW1SB	DESDC-04GY81 RW1SB	DESDC-08GY81 RW1SB	DESDC-16GY81 RW1SB	DESDC-32GY81 RW1SB

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