

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 8GB to 128GB 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 SD 3.0 series

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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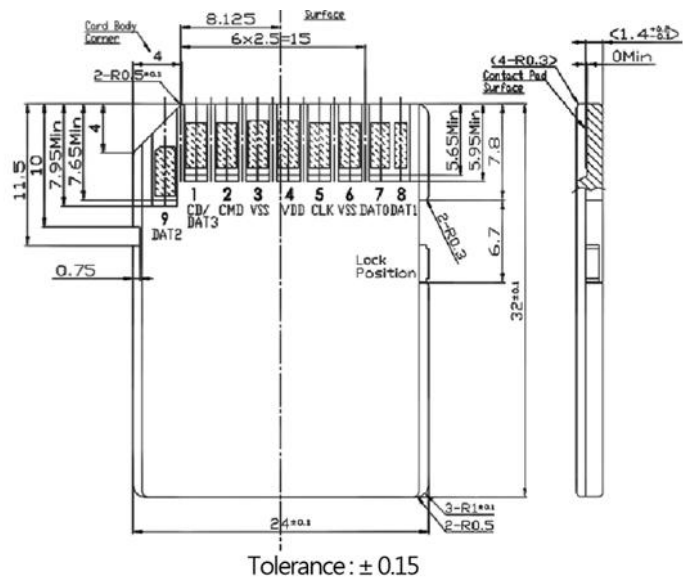
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Diagram



Specifications

| | |
|-------------------------------|---|
| Interface | SD 3.0 |
| Flash Type | MLC |
| Capacity | 8GB~128GB |
| Max. Channels | 1 |
| Sequential R/W (MB/sec, max.) | 54/18 |
| Max. Power Consumption | 0.26W (3.6V x 74mA) |
| 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. | 8GB | 16GB | 32GB | 64GB | 128GB |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (-20°C ~ +85°C) | DESDC-08GY81BC3SC | DESDC-16GY81BC3SC | DESDC-32GY81BC3SC | DESDC-64GY81BC3SC | DESDC-A28Y81BC3SC |
| Industrial Grade (-40°C ~ +85°C) | DESDC-08GY81BW3SC | DESDC-16GY81BW3SC | DESDC-32GY81BW3SC | DESDC-64GY81BW3SC | DESDC-A28Y81BW3SC |

