

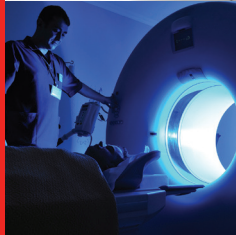
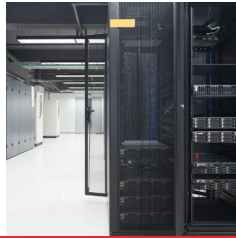
SanDisk® Industrial Grade SD™ and microSD™ Cards

Providing Trusted Reliability and Endurance

*Now with New Features
and Increased Endurance*



SanDisk®
a Western Digital brand



Product Highlights

- Operating Temp Range: -40°C to 85°C
- High endurance: Up to 192 Terabytes Written
- Broad portfolio: 8GB to 64GB
- Extended product life cycle
- Advanced memory management FW features power immunity, auto read refresh, ECC, wear leveling
- New suite of features to enhance reliability and utility, including health status meter, programmable ID, host lock, secure FFU
- Durable design: water proof, shock and vibration proof, X-ray proof, magnet proof, impact proof*
- Operating voltage: 2.7V to 3.6V

Business Benefits

- Delivers lower system TCO
- Enables real-time analytics at the edge
- Reduces network traffic
- Provides reliable local backup
- Maximize system availability with health status meter, ensuring timely preventative maintenance

Serving Industrial Applications

- Surveillance
- Transportation
- Industrial PC
- Factory Automation
- Networking
- Medical

Reliable Edge Storage in a Connected World

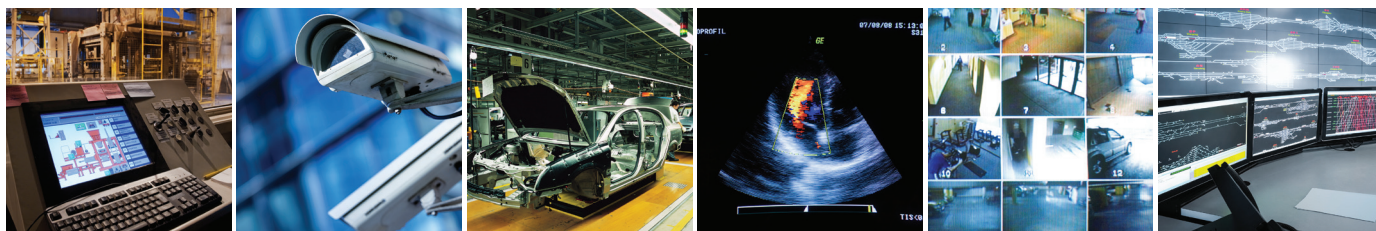
The convergence of ubiquitous connectivity and compute capability is driving an exponential growth in connected devices and connected sensors, generating incredible volumes of data and enabling vast new types of transformative applications and business models.

In addition to capturing this data locally as primary or back-up storage, edge storage devices such as SanDisk® Industrial Cards will maximize network efficiency and enable systems to analyze the data and act on the results in real-time.

Leveraging more than 27 years of expertise in NAND flash memory and storage systems, SanDisk® Industrial Grade SD and microSD cards deliver edge storage solutions for industrial applications requiring high reliability, durability, and high intensity recording, across a wide range of operational requirements.

Designed and tested to withstand the most demanding conditions, and featuring an advanced memory management FW which includes power immunity, auto read refresh, ECC, and wear leveling, data intensive applications can rely on SanDisk® Industrial products to capture every critical moment, log each event, and to ensure quality of service to end-users.

These high endurance solutions offer extended product life cycles which can reduce total cost of ownership (TCO) per system by eliminating costly redesigns and requalifications, and minimizing unnecessary maintenance calls.



SanDisk® Industrial Card Products

| Specifications | Industrial XT SD Cards | Industrial SD Cards | Industrial microSD Cards |
|--------------------------------|--|--|--|
| Capacity¹ | 8GB – 64GB | 8GB – 64GB | 8GB – 64GB ⁴ |
| Interface | SDA 3.0, High-Speed | SDA 3.0, High-Speed | SDA 3.0, High-Speed |
| NAND Flash Technology | X2 (MLC) | X2 (MLC) | X2 (MLC) |
| Operating Temp | -40°C to 85°C | -25°C to 85°C | -25°C to 85°C |
| Performance² | Speed Class 10 Sequential W/R: Up to 20/20MB/s | Speed Class 10 Sequential W/R: Up to 20/20MB/s | Speed Class 10 Sequential W/R: Up to 20/20MB/s |
| Endurance³ | Up to 192 TBW | Up to 192 TBW | Up to 192 TBW |

Ordering Information

| Capacity | Industrial XT SD Cards | Industrial SD Cards | Industrial microSD Cards |
|-------------|------------------------|---------------------|-----------------------------|
| 8GB | SDSDAF2-008G-XI | SDSDAF2-008G-I | SDSDQAF-008G-I ⁴ |
| 16GB | SDSDAF2-016G-XI | SDSDAF2-016G-I | SDSDQAF-016G-I ⁴ |
| 32GB | SDSDAF2-032G-XI | SDSDAF2-032G-I | SDSDQAF2-032G-I |
| 64GB | SDSDAF2-064G-XI | SDSDAF2-064G-I | SDSDQAF2-064G-I |

* See www.sandisk.com/proof for additional information

¹ 1GB=1,000,000,000 bytes. Actual user storage less.

² Based on internal testing; performance may be lower depending on host device, usage and other factors. 1MB=1,000,000 bytes.

³ Approximations based on SanDisk internal metrics that quantifies how much data can be written to a card in its lifespan expressed in Terabytes Written (TBW), with write application of 1

⁴ For Industrial microSD cards, new features are available for 32GB and 64GB only; please refer to full datasheet for more details

The SanDisk Advantage

- More than 27 years expertise in NAND flash development and system design
- Vertically Integrated
- World Class technical and design support
- BOM control with PCN support

Contact information

For all inquiries, please email:
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For more information, please visit:
www.sandisk.com

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At SanDisk, we're expanding the possibilities of data storage. For more than 27 years, SanDisk's ideas have helped transform the industry, delivering next generation storage solutions for consumers and businesses around the globe.