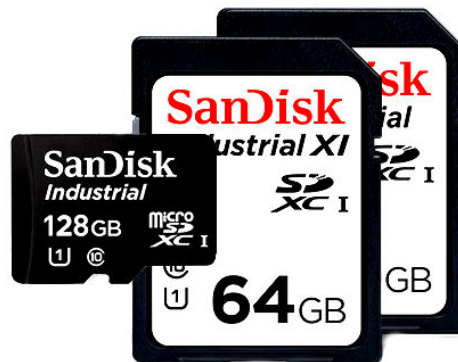# SanDisk Industrial SD & microSD Cards

The SanDisk Industrial SD™ and microSD™ cards deliver superior endurance and reliability for demanding industrial applications across a wide range of operational requirements. Typical applications include commercial surveillance cameras, drones, Industrial IoT gateways, factory automation, and network equipment.

Product Features and Benefits

Industrial applications often require memory storage that can accommodate high-intensity recording across a wide range of operational parameters. Industrial Grade SD and microSD cards from SanDisk feature advanced memory management firmware that includes power immunity, auto read refresh, wear leveling, and ECC to capture and log data and ensure error free quality.

SanDisk's SD card solutions have up to 384TBW terabytes written endurance and a durable design that is waterproof, shock proof, vibration proof, magnet and X-ray proof, but their added value is in how they go beyond simple data storage with the ability to enable systems to analyze data and act in real-time. They're tailor made for next generation automotive applications, factory automation, medical, and other demanding industrial fields

Features include

> Operating Temp Range: -25°C to 85°C and -40°C to 85°C
> High endurance: Up to 384 Terabytes written
> Broad portfolio: 8GB to 128GB
> Extended product life cycle
> Advanced memory management FW features

— Power immunity, auto/manual read refresh, ECC, wear leveling
> Smart features to enhance reliability and utility
— Health status meter, programmable ID, Host lock (card ownership lock), secure FFU, Dynamic Bit Flip Protection

> 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 preventive maintenance

Summary of Offerings

SanDisk Industrial Card Products				
Specifications	Industrial XI SD Cards	Industrial SD Cards	Industrial microSD Cards	Industrial XI microSD Cards
Capacity	8GB - 64GB	8GB - 64GB	8GB - 128GB	8GB - 128GB
Interface	SDA 3.01 UHS-I (SDR104)	SDA 3.01 UHS-I (SDR104)	SDA 3.01 UHS-I (SDR104)	SDA 3.01 UHS-1 (SDR104)
NAND Flash Technology	MLC	MLC	MLC	MLC
Operating Temp	-40^0C TO 85^0C	-25^0C TO 85^0C	-25^0C TO 85^0C	-40^0C TO 85^0C
Performance	Speed Class 10 UI	Speed Class 10 UI	Speed Class 10 UI	Speed Class 10 UI
Sequential W/R	UP TO 50/80 MB/s	UP TO 50/80 MB/s	UP TO 50/80 MB/s	UP TO 50/80 MB/s
Endurance	3K	3K	3K	3K

Part Numbers and Ordering Information

Ordering Information				
Capacity	Industrial XI SD Cards	Industrial SD Cards	Industrial microSD Cards	Industrial XI microSD Cards
8GB	SDSDAF3-008G-XI	SDSDAF3-008G-I	SDSDQAF3-008G-I	SDSDQAF3-008G-XI
16GB	SDSDAF3-016G-XI	SDSDAF3-016G-I	SDSDQAF3-016G-I	SDSDQAF3-016G-XI
32GB	SDSDAF3-032G-XI	SDSDAF3-032G-I	SDSDQAF3-032G-I	SDSDQAF3-032G-XI
64GB	SDSDAF3-064G-XI	SDSDAF3-064G-I	SDSDQAF3-064G-I	SDSDQAF3-064G-XI
128GB	-	-	SDSDQAF3-128G-I	SDSDQAF3-128G-XI

Please contact your local Arrow sales team for more information

Online
www.arrow.com

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