

# Industrial SD Card (FxPro Series)



## Overview

FLEXON FxPro Series Industrial Grade SD is a perfect storage solution with High Performance and High Reliability, ideal for Industrial, Medical and Automotive application.

## Product Features

- ❖ Advanced Flash Management: Static and Dynamic Wear Leveling; Bad Block Management; Auto-Read Refresh
- ❖ Support SD 3.0
- ❖ Support SD SPI Mode
- ❖ Designed for read-only and read/write cards
- ❖ Copyrights Protection Mechanism
- ❖ CPRM (Content Protection for Recordable Media) of SD Card supported
- ❖ Card removal during read operation will never harm the content
- ❖ Password Protection of cards (option)
- ❖ Write Protect Feature using Mechanical Switch
- ❖ Built-in Write Protection Features (Permanent and Temporary)
- ❖ +4KV/-4KV ESD protection in contact pads
- ❖ RoHS Compliant



## Specification

Interface	SD 3.0, 9-pin
Form Factor	SD Flash Card
Flash Type	MLC, pSLC, SLC
Capacity	MLC: 1GB ~ 128GB; pSLC: 2GB ~ 64GB; SLC: 64MB ~ 32GB
Max. Performance	Read: 95MB/s, Write: 90MB/s
Operating Voltage	2.7 ~ 3.6V
Operating Temp.	Gold grade: -25 ~ 85°C Diamond grade: -40 ~ 85°C
Storage Temp.	-40°C ~ +85°C
Humidity	0% ~ 95%
Shock	1500G/0.5ms
Vibration	80~2000Hz/20G
Dimensions	32mm (L) x 24mm (W) x 2.1mm (H)
MTBF(hours)	3,000,000hrs

## Ordering Information

Flash	Capacity	Part Number (Diamond Grade)	Part Number (Gold Grade)
MLC	1GB	FDMS001G-C4H	FDMS001G-C4D
	2GB	FDMS002G-C4H	FDMS002G-C4D
	4GB	FDMS004G-CAH	FDMS004G-CAD
	8GB	FDMS008G-CAH	FDMS008G-CAD
	16GB	FDMS016G-CAH	FDMS016G-CAD
	32GB	FDMS032G-CAH	FDMS032G-CAD
	64GB	FDMS064G-CAH	FDMS064G-CAD
	128GB	FDMS128G-CAH	FDMS128G-CAD
pSLC	2GB	FDMS002G-CAJ	FDMS002G-CAF
	4GB	FDMS004G-CAJ	FDMS004G-CAF
	8GB	FDMS008G-CAJ	FDMS008G-CAF
	16GB	FDMS016G-CAJ	FDMS016G-CAF
	32GB	FDMS032G-CAJ	FDMS032G-CAF
	64GB	FDMS064G-CAJ	FDMS064G-CAF
SLC	64MB	FDMS064M-C0K	FDMS064M-C0G
	128MB	FDMS128M-C0K	FDMS128M-C0G
	256MB	FDMS256M-C0K	FDMS256M-C0G
	512MB	FDMS512M-C0K	FDMS512M-C0G
	1GB	FDMS001G-C0K	FDMS001G-C0G
	2GB	FDMS002G-C0K	FDMS002G-C0G
	4GB	FDMS004G-CAK	FDMS004G-CAG
	8GB	FDMS008G-CAK	FDMS008G-CAG
16GB	FDMS016G-CAK	FDMS016G-CAG	
32GB	FDMS032G-CAK	FDMS032G-CAG	