

ICF 4000



FEATURES

- Excellent data transfer speed
- S.M.A.R.T. & i-S.M.A.R.T. Supported
- Intelligent system for error recovery
- Mechanical design for anti-vibration
- Enhanced power cycling

R:40MB/s W:28MB/s	PIO 0~4 Support	MDMA UDMA
Wear Leveling	S.M.A.R.T	Write Protect

Specifications

Connector Type	CF 50pin
Flash Type	SLC (Single Level Cell)
Density	128MB-32GB
Transfer Mode	PIO 0-4 MDMA 0-4 UDMA 0-4
Sustained R/W Performance	Read : 40 MB/sec (max.) Write : 28 MB/sec (max.)

Environmental

DC Input	+3.3V DC ± 5%
Power consumption (Max.)	Read: 125 mA Write: 120 mA Idle: 1.3 mA
Operating Temperature	0°C~+70°C (Standard Grade) -40°C~+85°C (Industry Grade)
Storage Temperature	-55°C~+95°C
Humidity	Relative Humidity: 10-95%, non-condensing
Flash Endurance	100,000 program/erase cycles
MTBF	> 3,000,000 hours
Certification	CE, FCC, RoHS
Warranty	5 years

Mechanicals

Dimension (W x L x H)	42.8 mm x 36.4 mm x 3.6 mm
Weight	9g±5g
Vibration	7 Hz to 2K Hz, 20G, 3 axes
Shock	Duration: 0.5ms, 1500G, 3 axes

Health monitoring Tool

S.M.A.R.T.	Supported
i-S.M.A.R.T.	Supported (Utility for Windows, Linux)

Ordering Information

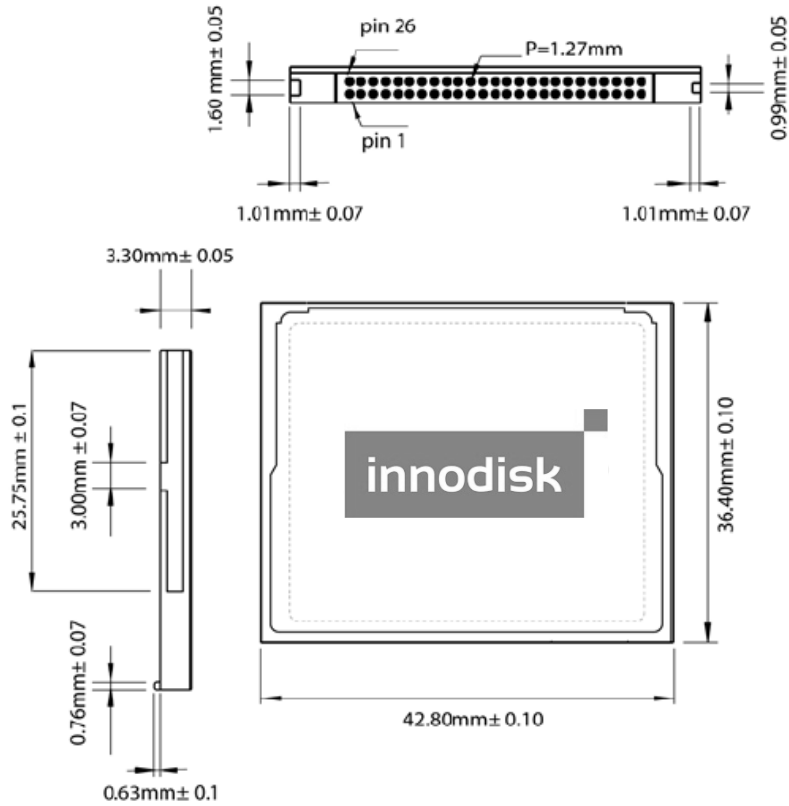
Capacity	Standard Grade	Industry Grade
128MB	DC1M-128D31CXS%	DC1M-128D31W1S%
256MB	DC1M-256D31CXS%	DC1M-256D31W1S%
512MB	DC1M-512D31CXS%	DC1M-512D31W1S%
1GB	DC1M-01GD31CXD%	DC1M-01GD31W1D%
2GB	DC1M-02GD31CXD%	DC1M-02GD31W1D%
4GB	DC1M-04GD31CXD%	DC1M-04GD31W1D%
8GB	DC1M-08GD31CXD%	DC1M-08GD31W1D%
16GB	DC1M-16GD31CXD%	DC1M-16GD31W1D%
32GB	DC1M-32GD31CXD%	DC1M-32GD31W1D%

*DC1S support write protect. X=internal control (X=internal control code, 1=TSOP, A=BGA) .%=flash type.

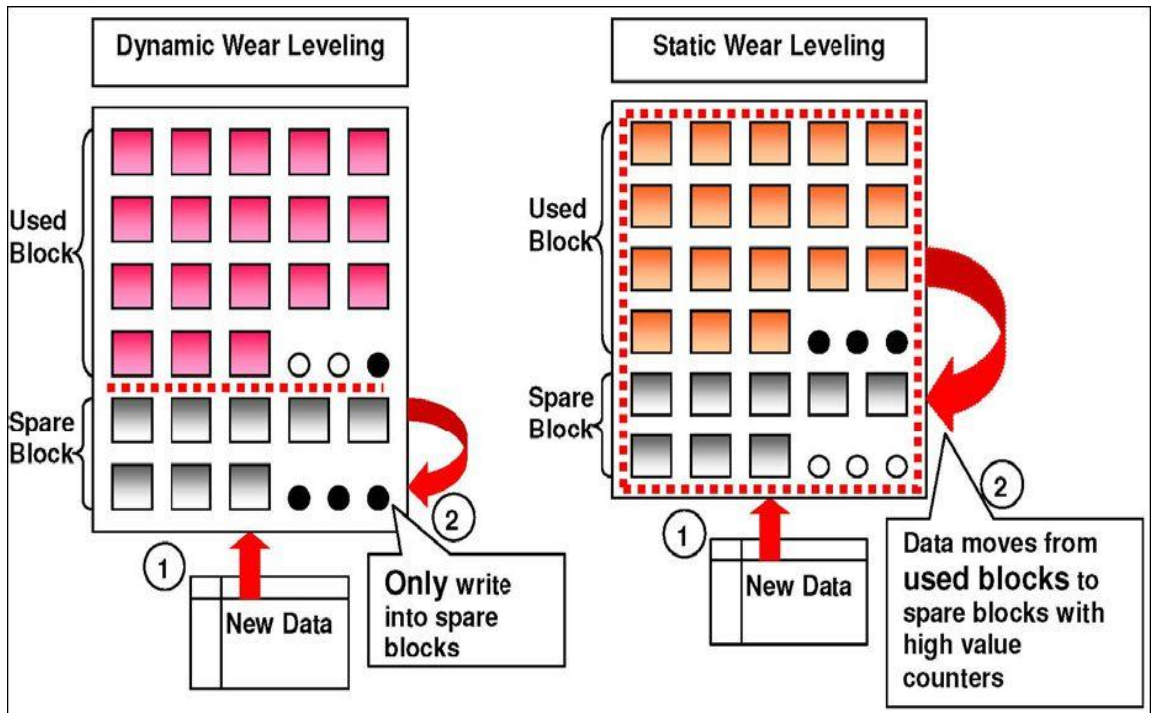
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Mechanical Dimension



Wear Leveling



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