

# EDC 4000 HORIZONTAL



## FEATURES

- Support static wear leveling algorithm
- S.M.A.R.T. & i-S.M.A.R.T. Supported
- Intelligent system for error recovery
- High reliability & compatibility
- 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	2.00 mm Pin Pitch (2x22) 2.54 mm Pin Pitch (2x20)
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 : 40MB/sec (max.) Write : 28MB/sec (max.)

## Environmental

DC Input	+3.3V/+5V DC $\pm$ 5%
Power consumption (Max.)	Read: 125 mA Write: 120 mA Idle: 1.3 mA
Operating Temperature	00C~+700C (Standard Grade) -40~+850C (Industrial Grade)
Storage Temperature	-550C~+950C
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)	40 pin(A,B): 55.0 x 32.4 x 12.9mm
	40pin(C,D):55.0 x 32.4 x 14.6mm
	40pin(E,F):55.0 x 32.4 x 18.3mm
	44 pin(A,B): 55.0 x 32.4 x 6.7 mm
	44 pin(C,D):55.0 x 32.4 x 9.6 mm
	44 pin (E,F):55.0 x 32.4 x 12.9mm
Weight	9g $\pm$ 1g
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

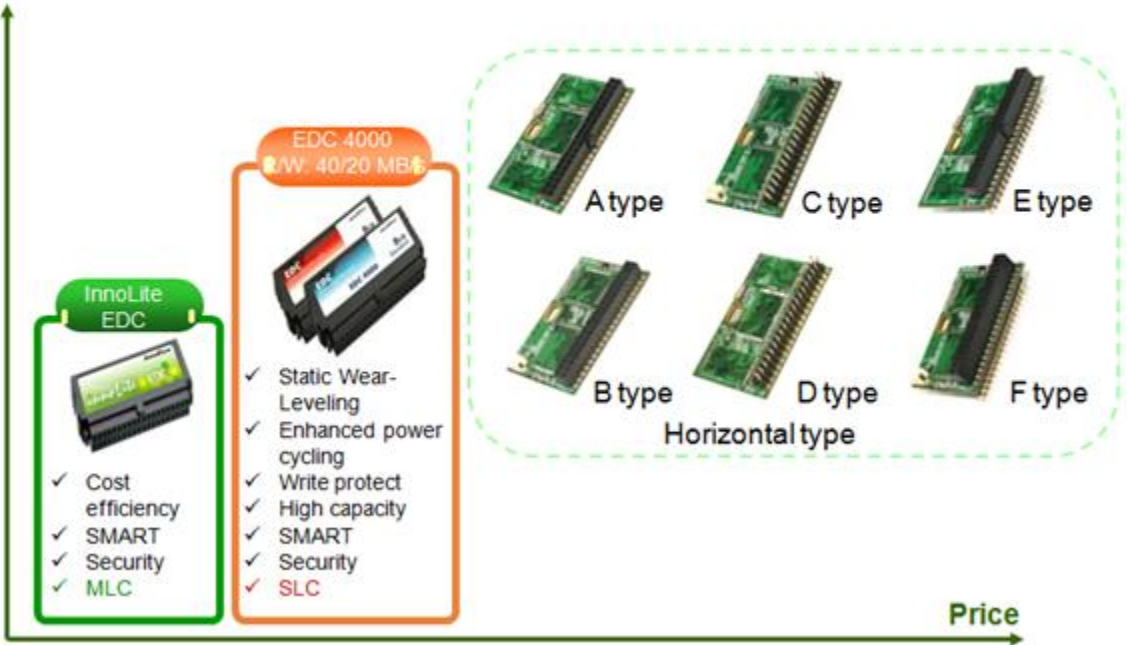
Capacity	Standard Grade	Industry Grade
128MB	DEXP%- <a href="#">128D31C1SR</a>	DEXP%- <a href="#">128D31W1SR</a>
256MB	DEXP%- <a href="#">256D31C1SR</a>	DEXP%- <a href="#">256D31W1SR</a>
512MB	DEXP%- <a href="#">512D31C1SR</a>	DEXP%- <a href="#">512D31W1SR</a>
1GB	DEXP%- <a href="#">01GD31C1DR</a>	DEXP%- <a href="#">01GD31W1DR</a>
2GB	DEXP%- <a href="#">02GD31C1DR</a>	DEXP%- <a href="#">02GD31W1DR</a>
4GB	DEXP%- <a href="#">04GD31C1DR</a>	DEXP%- <a href="#">04GD31W1DR</a>
8GB	DEXP%- <a href="#">08GD31C1DR</a>	DEXP%- <a href="#">08GD31W1DR</a>
16GB	DEXP%- <a href="#">16GD31C1DT</a>	DEXP%- <a href="#">16GD31W1DT</a>
32GB	DEXP%- <a href="#">32GD31C1DT</a>	DEXP%- <a href="#">32GD31W1DT</a>

X:0=40pin,4=44pin.

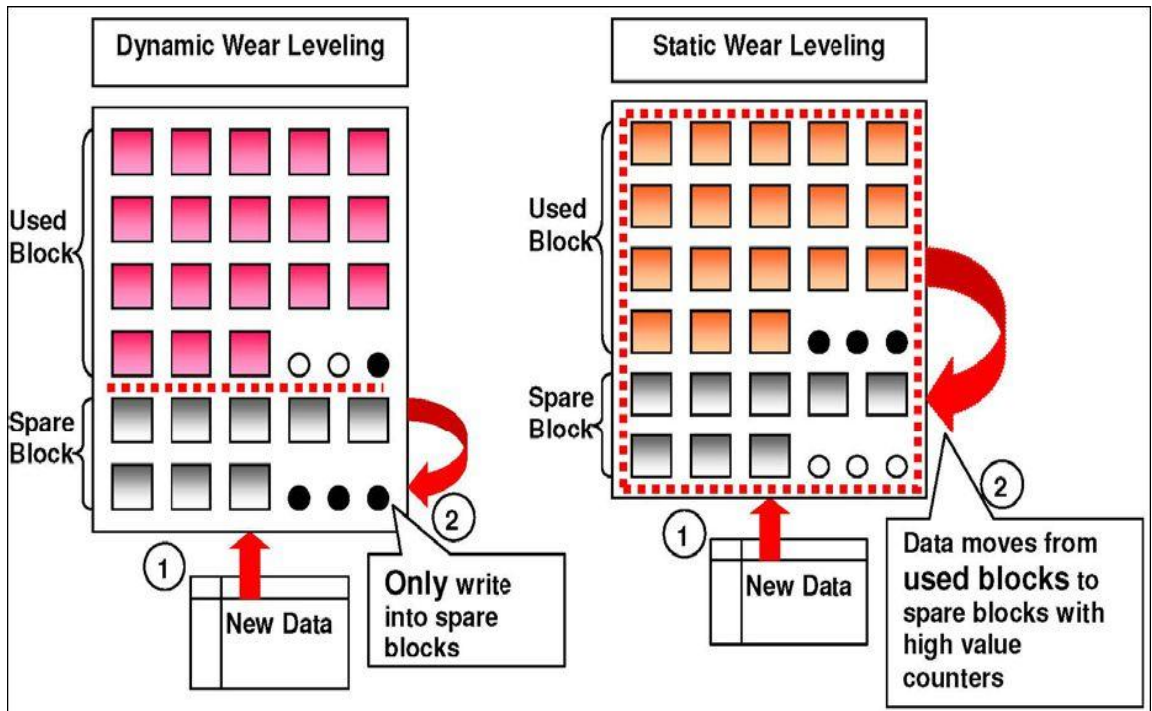
%:A=A type, B=B type, C= C type, D= D type, E=E type,  
F=F type

# EDC Series (Industrial Embedded Disk Card)

Performance ↑



## Wear Leveling



DESIGN • SERVICE • QUALITY • DELIVERY

