

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

Specifications

Connector Type	2.00 mm Pin Pitch (2x22) 2.54 mm Pin Pitch (2x20)
Flash Type	SLC (Single Level Cell)
Density	128MB~8GB
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	0°C~+70°C (Standard Grade) -40°C~+85°C (Industrial 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)	40 pin: 55.0 x 32.4 x Hmm (H: A=12.8,B=9.0,C=11.9,D=14.6,E=18.2, F=18.2)
	44 pin: 48.0 x 32.6 x Hmm (H:A=7,B=7.2,C=10,D=9.9,E=12.9 F=12.9)
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

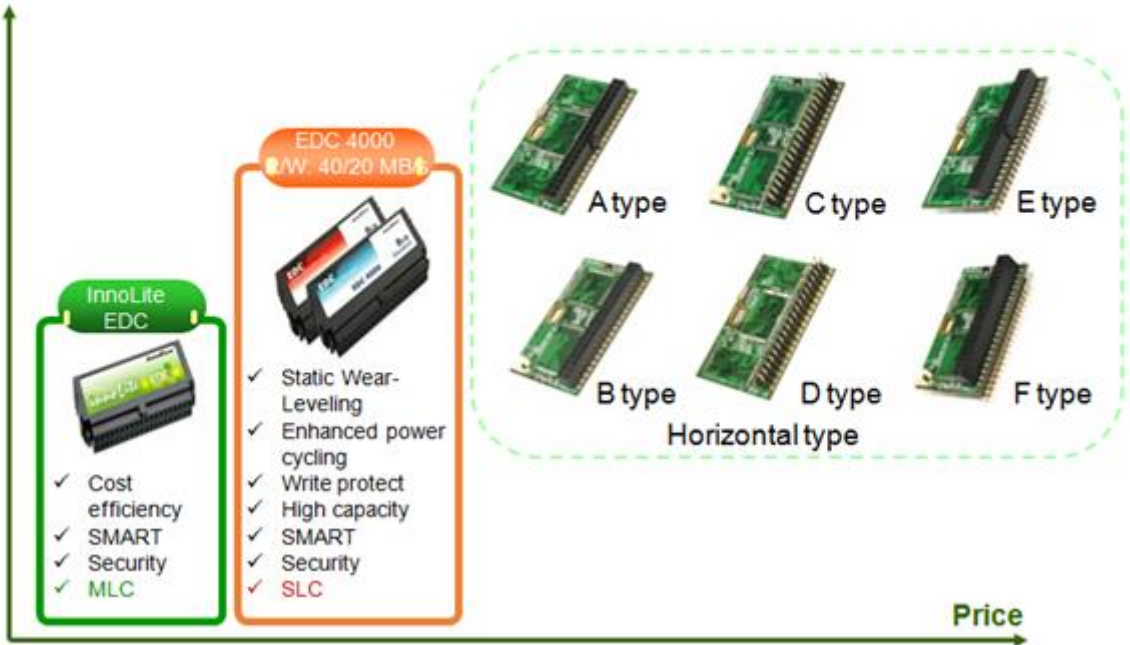
Capacity	Standard Grade	Industry Grade
128MB	DEXP%- 128D31C1SR	DEXP%- 128D31W1SR
256MB	DEXP%- 256D31C1SR	DEXP%- 256D31W1SR
512MB	DEXP%- 512D31C1SR	DEXP%- 512D31W1SR
1GB	DEXP%- 01GD31C1DR	DEXP%- 01GD31W1DR
2GB	DEXP%- 02GD31C1DR	DEXP%- 02GD31W1DR
4GB	DEXP%- 04GD31C1DR	DEXP%- 04GD31W1DR
8GB	DEXP%- 08GD31C1DR	DEXP%- 08GD31W1DR

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

