

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~4GB
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
MTBF	> 3,000,000 hours
Certification	CE, FCC, RoHS
Warranty	5 years

Mechanicals

Dimension (W x L x H)	40 pin: 60.2 x 27.3 x 6.4 mm (H:A=12.8, B=9.0, C=11.9, D=14.6, E=18.2, F=18.2)
	44 pin: 50.3 x 27.3 x 5.8 mm (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: 10.5ms, 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

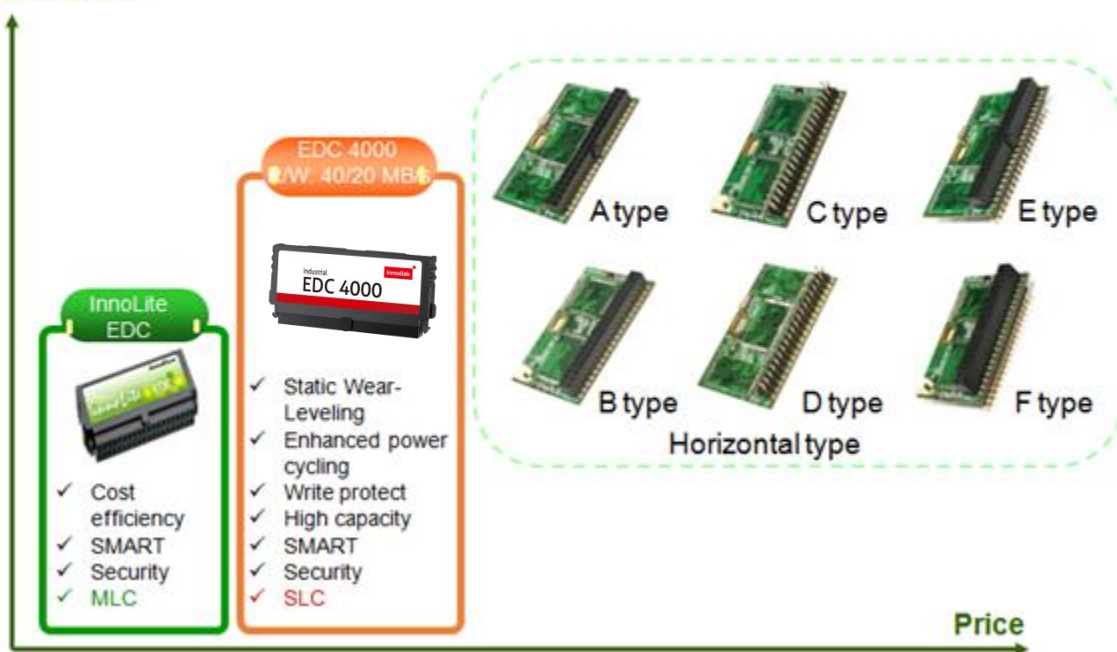
Capacity	Standard Grade	Industry Grade
128MB	DEXP%- <u>128</u> D31 <u>C</u> 1SB	DEXP%- <u>128</u> D31 <u>W</u> 1SB
256MB	DEXP%- <u>256</u> D31 <u>C</u> 1SB	DEXP%- <u>256</u> D31 <u>W</u> 1SB
512MB	DEXP%- <u>512</u> D31 <u>C</u> 1SB	DEXP%- <u>512</u> D31 <u>W</u> 1SB
1GB	DEXP%- <u>01G</u> D31 <u>C</u> 1SB	DEXP%- <u>01G</u> D31 <u>W</u> 1SB
2GB	DEXP%- <u>02G</u> D31 <u>C</u> 1SB	DEXP%- <u>02G</u> D31 <u>W</u> 1SB
4GB	DEXP%- <u>04G</u> D31 <u>C</u> 1SB	DEXP%- <u>04G</u> D31 <u>W</u> 1SB
8GB	DEXP%- <u>08G</u> D31 <u>C</u> 1SB	DEXP%- <u>08G</u> D31 <u>W</u> 1SB

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

