

# ID-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)<br>2.54 mm Pin Pitch (2x20) |
| Flash Type                | SLC (Single Level Cell)                              |
| Density                   | 128MB~4GB  |
| Transfer Mode             | PIO 0~4,<br>MDMA 0~4, UDMA 0~4                       |
| Sustained R/W Performance | Read : 40MB/sec (max.)<br>Write : 28MB/sec (max.)    |

## Environmental

|                          |  |
|--------------------------|--|
| DC Input                 | +3.3V/+5V DC $\pm$ 5%  |
| Power consumption (Max.) | Read: 125 mA<br>Write: 120 mA<br>Idle: 1.3 mA                |
| Operating Temperature    | 0°C~+70°C (Standard Grade)<br>-40°C~+85°C (Industrial Grade) |
| Storage Temperature      | -55°C~+95°C  |
| Humidity                 | Relative Humidity: 10-95%,<br>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<br>(H:A=12.8, B=9.0, C=11.9, D=14.6,<br>E=18.2, F=18.2) |
|                       | 44 pin: 50.3 x 27.3 x 5.8 mm<br>(H:A=7, B=7.2, C=10, D=9.9, E=12.9,<br>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%- <a href="#">128D31C1SB</a> | DEXP%- <a href="#">128D31W1SB</a> |
| 256MB    | DEXP%- <a href="#">256D31C1SB</a> | DEXP%- <a href="#">256D31W1SB</a> |
| 512MB    | DEXP%- <a href="#">512D31C1SB</a> | DEXP%- <a href="#">512D31W1SB</a> |
| 1GB      | DEXP%- <a href="#">01GD31C1SB</a> | DEXP%- <a href="#">01GD31W1SB</a> |
| 2GB      | DEXP%- <a href="#">02GD31C1SB</a> | DEXP%- <a href="#">02GD31W1SB</a> |
| 4GB      | DEXP%- <a href="#">04GD31C1SB</a> | DEXP%- <a href="#">04GD31W1SB</a> |
| 8GB      | DEXP%- <a href="#">08GD31C1SB</a> | DEXP%- <a href="#">08GD31W1SB</a> |

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

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