

EDM54-V PATA EDOM

CDXXXXXR4-XXXXXXXXXX

1. Product Description

1.1 Product Overview

CPI's **PATA EDOM** is the storage device based on NAND flash memory technology. This product complies with 40 PIN IDE (ATA) standard interface and is suitable for data storage media and code storage device for embedded system and boot disk. By using **PATA EDOM**, it is possible to operate good performance for the systems, which have IDE interface.

With small form factor, the applicable appliance can add or install IDE storage device on its Mother Board or Complete set.

● Application Fields;

- Industrial PC and Thin Client
- Game and Telecommunication Machine
- Ticketing, Examining, testing machine
- Army, Health and Production Equipment and Machine

1.2 Product Features

- Small form factor with IDE (ATA) Standard Interface connector
- Memory Capacities: 512MB ~ 8GB
- Speed: Read up to 40 MB/s Write up to 16 MB/s
- High performance and reliability
- Noiseless and stable installation to system
- Master and Slave, Write Protect Switch
- Operating as Boot Disk
- Operating voltage 5.0V operation
- Power Consumption: <120mA

1.3 System Requirement

- The Host system which is connected to PATA EDOM should meet system requirements at minimum;

1.3.1 Power Requirement

- Voltage: DC +5V \pm 5%

1.3.2 Operating System

- Windows 2000/XP
- Linux
- DOS
- WinXP Embedded
- WinCE

1.3.3 Interface

- IDE (ATA) Standard Interface

1.4 Specifications

- Compliant with ATA-7 V3 specification.
- Supports PIO modes 0 ~ 6
- Supports Multi-Word DMA Modes 0 ~ 4
- Supports Ultra DMA Modes 0 ~ 4
- Supports ECC (Error Correction Code)
- Supports Wear-leveling

2. Specification

2.1 Physical Specifications

2.1.1 Dimension

The Dimensions of PATA eModule are illustrated in Figure 1 and described in Table 1.

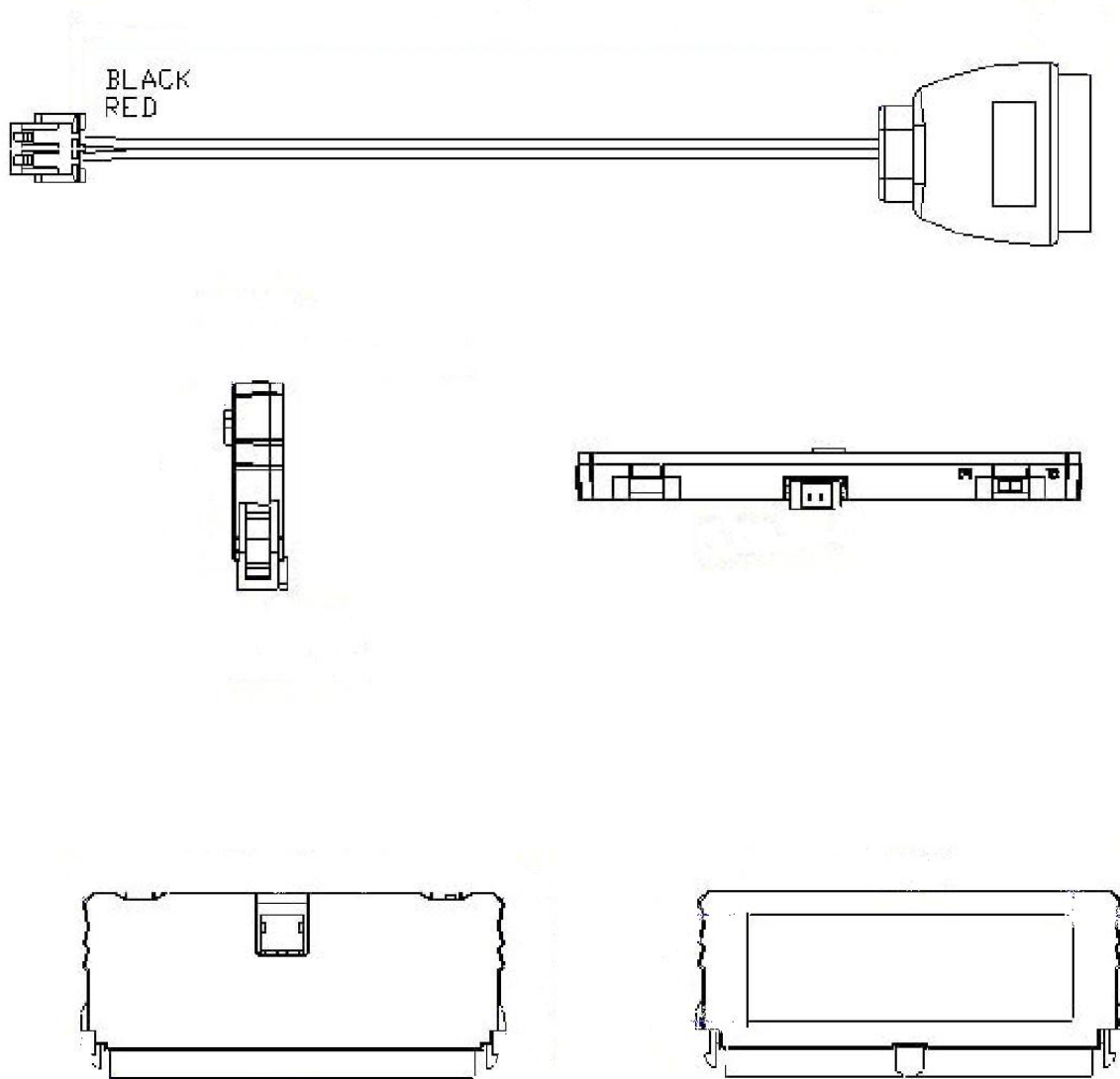


Figure 1: PATA EDOM Dimensions

Length	60.33 ± 0.15 mm
Width	27.58 ± 0.20 mm
Thickness	8.20 ± 0.15 mm

Table 1: PATA EDOM Physical Dimension

2.1.2 Weight

- PATA EDOM Weight: < 12g
- Power Cable Weight: < 11g

6. Ordering Information

P/N	Capacity	Remark C
CDC512MR4-B204A001	512MB	Normal Temp
CDC001GR4-B204A001	1GB	
CDC002GR4-B304A001	2GB	
CDC004GR4-B404A001	4GB	
CDC008GR4-B504A001	8GB	
CDI512MR4-B204A001	512MB	Wide-Temp
CDI001GR4-B204A001	1GB	
CDI002GR4-B304A001	2GB	
CDI004GR4-B404A001	4GB	
CDI008GR4-B404A001	8GB	

Table 5: EDM54-V PATA eModule Ordering Information**7. Contact Information**

A+CPI, a storage business company, specializes in the design and marketing of SSD, EDM, and Industry CF products. For further information, please reach us at the following contact information:

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