# PCM-233A SATA to IDE module for SATA Device
# Startup Manual

## Packing List

Before you begin installing your card, please make sure that the following materials have been shipped:

1. 1 PCM-233
2. 1 Startup manual

If any of these items are missing or damaged, contact your distributor or sales representative immediately.

**Note:** Acrobat Reader is required to view any PDF file. Acrobat Reader can be downloaded at: www.adobe.com/Prodindex/acrobat/read-step.html(Acrobat is a trademark of Adobe.)

## Specifications

- **Chipset:** ACARD ARC772N
- **PATA Connector:** 40-pin IDE Connector
- **SATA Connector:** SATA 7+15P Connector
- **Power Connector:** 4-pin Power Connector
- **External Power:** +5 V, +12 V

### Mechanical and Environmental

- **Dimensions (L x W):** 98 x 23 mm (3.8" x 0.9")
- **Weight:** 30 g
- **Operating Temperature:** 0 ~ 60° C(32~140° F)
- **Storage Temperature:** -40 ~ 85° C(-40~185° F)
- **Operating Humidity:** 0%~90% relative humidity, non-condensing
- **Power Supply Voltage:** +5 V, +12 V
- **Power Requirements:** 3.3 V, max 37 mA
  (Digital) 1.8 V, max 150 mA
  (Analog) 1.8 V, max 102 mA

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**http://www.advantech.com**

**http://www.advantech.com/epc**

**For technical support and service, please visit our support website at:**

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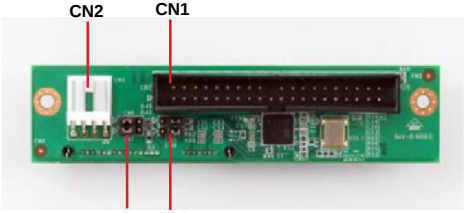
This manual is for the PCM-233A series Rev. A1.

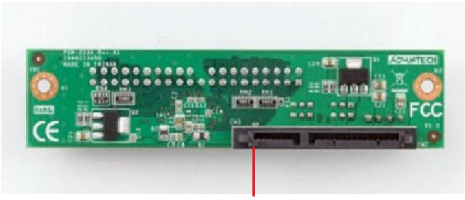
Part No. 2006233A00 1st Edition, June 2008

## Features

- Convert SATA hard drive or storage device to IDE interface
- Suitable for 3.5"/5.25 SATA Device
- PCM-233A dimension good fit with 3.5" SATA device

## Connectors & Jumpers




| Connectors | |
|---|---|
| **Label** | **Function** |
| CN1 | 40-pin IDE Connector |
| CN2 | Power Connector |
| CN3 | SATA Connector |

| Jumpers | |
|---|---|
| **Label** | **Function** |
| CN5 | Master/Slave Select |
| CN7~9 | Ultra DMA Speed |

| CN5 Master/Slave Select | |
|---|---|
| **Setting** | **Function** |
| (2-3) | Master* |
| (1-2) | Slave |

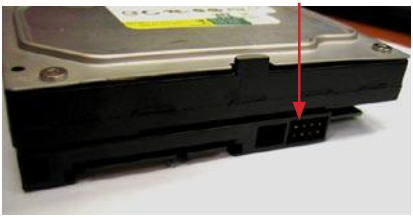
* Default Setting

| CN7, 8, 9 Ultra DMA Speed | |
|---|---|
| **Setting** | **Function** |
| **CN7 CN8 CN9** | |
| (1-2) (2-3) (2-3) | 200 MB/S |
| (1-2) (2-3) (1-2) | 133 MB/S |
| (1-2) (1-2) (2-3) | 150 MB/S* |
| (1-2) (1-2) (1-2) | Reserved |

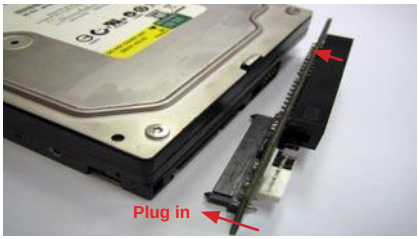
* Default Setting

## Installation Guide

1. Configure the device setting before install PCM-233A.



2. Attach the SATA connector on PCM-233A to the SATA connector at the rear of SATA device.




3. Connect the IDE cable from CPU board to the PCM-233A and connect the power cable to the PCM-233A.

* PARALLEL ATA STANDARD ALLOWS CABLE LENGTHS UP TO 18 INCHES (46 CENTI METERS).