

AEC-7732U Bridge Install Quick Guide

Chapter 1 Introduction

Version 1.0

1.1 Overview

AEC-7732U is an internal SCSI-to-SATA-II ODD Bridge, which turns a standard 5.25" SATA ODD into a 50-pin Ultra SCSI ODD. It is easy and efficient for users to create or replace their old Ultra SCSI ODD.

1.2 Specification

Ultra SCSI interface for up to 20MB/sec data transfer rate.

On-chip high speed ACARD RISC micro-controller.

Supports SATA ODD.

Supports Windows 2000/XP/2003 Server/Vista, Linux.

On board flash ROM for easy firmware upgrade.

Selectable SCSI ID from 0 to 7.

Temperature: Operation --- 0 °C to 45 °C

 Storage --- -20 °C to 70 °C

Dimension: 12.5cm x 3.5cm x 2.6cm (L x W x H)

Chapter 2 Installation

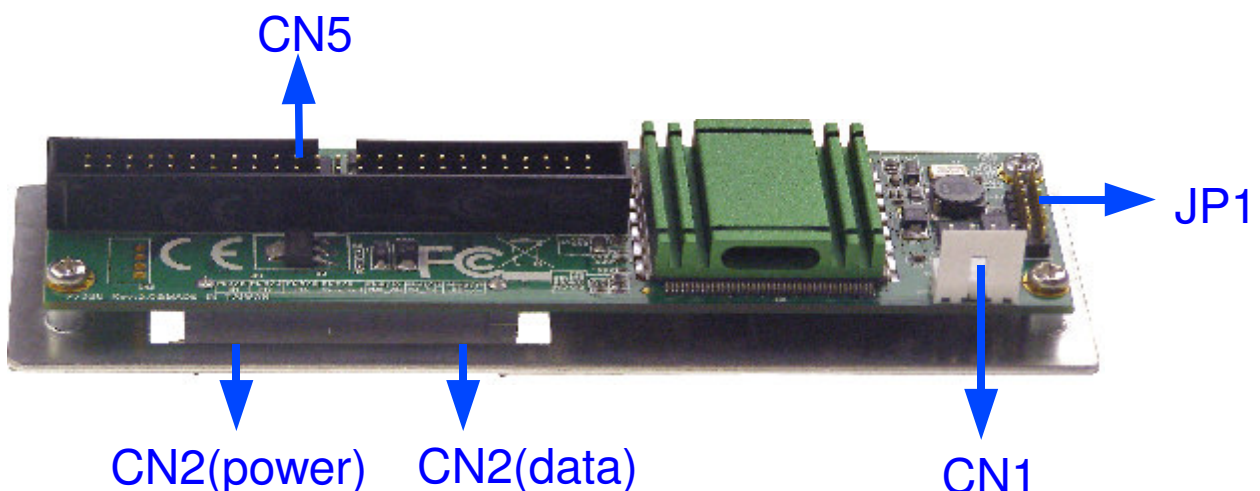
2.1 Connector introduction

CN1 ---- 4-pin power connector

CN2 ---- SATA connector (includes power and data bus)

CN5 ---- SCSI connector

JP1 ---- Jumpers, Refer to 2.2 for detail

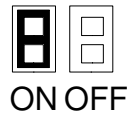


2.2 JP1 Setting

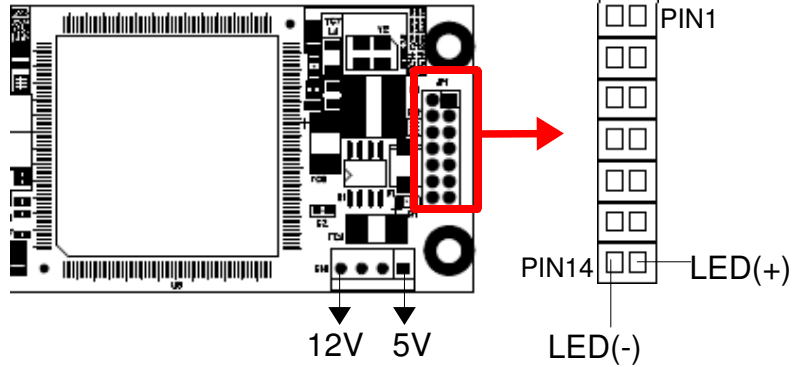
PIN1/2	PIN3/4	PIN5/6	PIN7/8	PIN9/10	PIN11/12	PIN13/14
ID1	ID2	ID4	Reserved	TMP_ON	TM_ON	LED+/-

SCSI ID Setting

SCSI ID	PIN 1/2	PIN 3/4	PIN 5/6
ID = 0	OFF	OFF	OFF
ID = 1	ON	OFF	OFF
ID = 2	OFF	ON	OFF
ID = 3	ON	ON	OFF
ID = 4	OFF	OFF	ON
ID = 5	ON	OFF	ON
ID = 6	OFF	ON	ON
ID = 7	ON	ON	ON



PIN 9/10 : Terminator Power
 PIN 11/12 : Terminator
 PIN 13 : LED(+)
 PIN 14 : LED(-)



2.3 Product installation

Before installing AEC-7732U, make sure the SCSI host adapter was installed and operated correctly. And follow the instructions below to install.

Step 1 Take out AEC-7732U from the anti-static bag

Step 2 Remove the sticking paper on the holder of AEC-7732U (Fig.1)

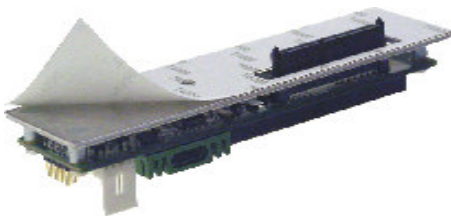


Fig.1

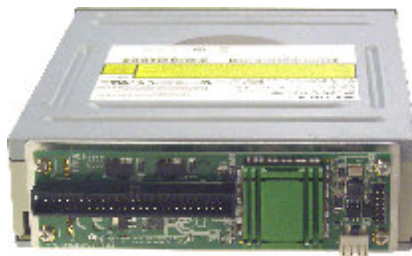


Fig.2



Fig.3

Step 3 Align the AEC-7732U SATA connector to the SATA slot of ODD(Fig.2)

Step 4 Push the 4 corner of AEC-7732U to make sure it was properly stuck on SATA ODD

Step 5 Place the SATA ODD with AEC-7732U on a desk and wait for 30 minutes before using

Step 6 Connect CN5 of AEC-7732U to the SCSI adapter via a SCSI cable. The last device on the SCSI bus must be terminated with SCSI terminator. Check the jumper setting to enable it.

Step 7 Connect CN1 of AEC-7732U directly to the power supply.

*If for any reason you need to remove AEC-7732U from the SATA ODD, just unscrew the four screws on the AEC-7732U corners(Fig.3)

Chapter 3 Q&A

3.1 Basic Troubleshooting

Q1. The DVD/BD drive connected to the AEC-7732U can't be detected

A1: Refer to below procedures to check the problem:

- a. Inspect if all connectors of SCSI cable and power cord were firmly connected.
- b. Inspect if the SCSI adapter was correctly inserted into the PCI slot on the motherboard.
- c. Inspect the jumper setting, make sure that the SCSI ID number does not conflict with another device in the same SCSI chain.
- d. Inspect if the SCSI adapter's driver was successfully installed.

Q2. The DVD/BD drive connected to the AEC-7732U was detected as ACARD SCSIID:NULL device

A2: It is because the AEC-7732U couldn't detect the SATA DVD/BD drive. Please check if the SATA DVD/BD drive was firmly connected to the AEC-7732U. If DVD/BD still can't be detected, please refer to advanced troubleshooting for how to do next.

Q3. The DVD/BD drive connected to the AEC-7732U was detected incorrectly. (ex: model AAAAAA was detected as AABAA)

A3: It is mostly caused by damaged SCSI cable or poor quality of SCSI signal. Please refer to below procedures to check the problem:

- a. Inspect if SCSI cable and the stitch of SCSI connected was bended.
- b. Try another SCSI cable
- c. Compare with another SCSI device at the same SCSI connector

3.2 Advanced Troubleshooting

For some reasons, if you still can't fix the problem after basic troubleshooting, please provide the following detail and mail to support@acard.com for advanced technical support.

- a. The model name of SATA DVD/BD drive
- b. The firmware version of the AEC-7732U
- c. The model name of SCSI host controller
- d. The operating system
- e. The detail problem description
- f. What have you done to inspect the problem