

Chapter 4 Troubleshooting

4.1 Basic Troubleshooting

Inspect the following items if your AEC-7730A cannot work properly after installation.

1. Inspect if all connectors of SCSI cable and power cord are firmly connected.
2. Inspect if the SCSI adapter is correctly inserted into the PCI slot on the motherboard.
3. Inspect if the SCSI adapter's driver is successfully installed.
4. Check the jumper setting, and be sure that the SCSI ID number does not conflict with one another.

4.2 Advanced Troubleshooting

Here we only take the advanced troubleshooting in Windows XP as an example. First let's check the SCSI adapter.

1. Right click "My Computer".
2. Left click "Properties".
3. After entering "System Properties", click "Hardware", "Device Manager". Then, double click "SCSI and RAID controllers" to see if your SCSI adapter is installed well.

Now check the SATA HDD connected to AEC-7730A.

1. In "Device Manager", click "Disk drives" to show your HDD.
2. Right click the SATA HDD and left click "Properties".
3. Enter "General" to see if the device works normally and the target ID is correct.

ACARD SCSI-SATA Bridge AEC-7730A

SCSIDE
ACARD LEADING TECHNOLOGY
Quick Guide

Version 1.1

ACARD
TECHNOLOGY

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Chapter 1 Introduction

1.1 Overview

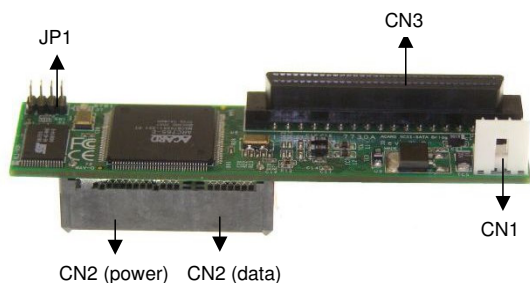
The development of AEC-7730A is based on ACARD's SCSI-to-SATA technology, which converts a SATA hard drive into a SCSI one for the best performance. An on-board core micro controller developed by ACARD makes the bridge AEC-7730A more flexible and more stable in high-level applications.

1.2 Specification

- LVD SCSI interface for up to 160MB/s of transfer rate
- Supports SATA hard drives
- Temperature
 - Operation --- 0°C to 50°C
 - Storage --- -20°C to 85°C
- Humidity --- 15% to 90%
- Dimensions --- 9.8 (L) × 2.5 (W) × 2.5 (H) cm

1.3 Outline

- CN1 --- 4-pin power connector
- CN2 --- SATA connector (left is for power and right for data transfer)
- CN3 --- 68-pin female SCSI connector
- JP1 --- Refer to Chapter 3



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Chapter 2 Installation

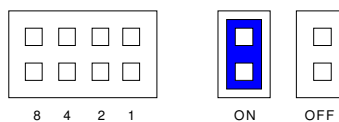
Before installing AEC-7730A, set up a SCSI host adapter like ACARD AEC-67162S first. Be sure that the host adapter is shown under "Device Manager" of "System Properties" in Windows. Now follow the instructions below to install.

- Step 1 Connect CN3 of AEC-7730A to the SCSI adapter with a SCSI cable.
- Step 2 Connect CN2 of AEC-7730A directly to the SATA hard drive.
- Step 3 Connect CN1 of AEC-7730A to the power supply.

Chapter 3 Jumper Setting

SCSI ID Setting

	Pin4	Pin3	Pin2	Pin1		Pin4	Pin3	Pin2	Pin1
ID=0	OFF	OFF	OFF	OFF	ID=8	ON	OFF	OFF	OFF
ID=1	OFF	OFF	OFF	ON	ID=9	ON	OFF	OFF	ON
ID=2	OFF	OFF	ON	OFF	ID=10	ON	OFF	ON	OFF
ID=3	OFF	OFF	ON	ON	ID=11	ON	OFF	ON	ON
ID=4	OFF	ON	OFF	OFF	ID=12	ON	ON	OFF	OFF
ID=5	OFF	ON	OFF	ON	ID=13	ON	ON	OFF	ON
ID=6	OFF	ON	ON	OFF	ID=14	ON	ON	ON	OFF
ID=7	/				ID=15	ON	ON	ON	ON



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