ARC-6820

8U 20-Slot Industrial Rackmount Chassis

Notice:

This guide is designed for experienced users to setup the system within the shortest time. For detailed information, please always refer to the electronic user's manual.

Safety Precautions

Warning! *Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.*

Caution! *Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.*

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Power connection

The ARC-6820 is equipped with two 400 W ATX modular power supplies. These two power sources are hot-swappable and can act as back-up to each other. In case one power source fails the other will power up automatically, never allowing the chassis to power down. This redundant design gives the end user confidence and reliability with our industrial chassis.

The power source has two different voltage settings, 115V and 230V. Please select the correct voltage prior to use.

Quick Installation Guide

Features

- Supports multi-segment 20-slot ISA/PICMG passive backplane

- Shock resistant disk drive bay holds seven 5.25" and one 3.5" disk drive in front.

- Four easy to replace ball bearing hot-swappable cooling fans for optimum system cooling. (4 x 9 cm, 51 CFM/each) A second fan is optional.

- Can be equipped with a 250 ~ 400 Watt ATX PS2 power supply or 300 ~ 400 Watt redundant power supply, to increase system reliability.

- Fault detection with audible and visual alarm; 6 LED indicators for power supply, fan failure and overheating.

- Special modular design allows users to maintain the system with minimum downtime.

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Packing List

Before you begin installing your card, please make sure that the following materials are included:

• 1 ARC-6820 Industrial Rackmount Chassis

• 1 Quick Installation Guide

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

FCC STATEMENT

This devise complies with part 15 FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received including interference that may cause undesired operations.

This equipment has been tested and found to comply with the limits for a class "A" digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Quick Installation Guide

Notice

Dear Customer,

Thank you for purchasing the ARC-6820 chassis. This quick installation guide is designed to assist you. Please read it thoroughly before you install and use this chassis. The product that you have purchased comes with a two year limited warranty, however AAEON will not be responsible for misuse of the product. Therefore, we strongly urge you to read this installation guide before using the product.

To receive any other information or if you have a question, please visit our Web site at:

http://www.aaeon.com

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ARC-6820 Components Diagram

Hold Down Bar

Front Panel HDD Brackets

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Installation Direction

Depending on the type of backplane installed the ARC-6820 can support a number of different accessory and SBC cards. Currently, AAEON offers five types of passive backplanes for the ARC-6820 chassis.

Hard Drive and Floppy Drive

To install the hard drive and floppy drive, first remove the brackets in the front panel. The slide mounts are to be secured to the hard drives with screws that are inserted from the sides. Replace the new component back into the chassis.

To make the cable connections the upper portion of the chassis must be removed first.

Backplane

Remove the hold down bar from the chassis. Simply place the backplane into the chassis. Make sure the backplane is sitting in the correct direction. Brace the backplane into the chassis with screws.

Single Board Computer Boards and Accessory Boards

First choose the preferred location for the SBC or accessory cards on your backplane. Then remove the bracket in the rear (silver) so the I/O panel can be accessable. Simply, line up the SBC and push the board down into the backplane. After installing all boards, lower the hold down bar to secure the SBC cards.

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Cable Connection

The power source in the ARC-6820 provides an assortement of power cables. The AT power source is to be plugged into the backplane. The remaining power supply standard AT 4-pin connectors are designated for the built-in fan, hard drives, etc.

Speaker cable, power led cable, reset cable, internal PS/2 cable all have their specific locations refer to the CPU or accessory manual to find their specific pin position.

Quick Installation Guide

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RECYCLABLE