AMC-250

Heavy-duty steel chassis

5 Slot wall Mounting Chassis

Supports Flex ATX power supply

Support 5 slots ISA/PICMG_PCI bus

AMC-250 Rev. A Manual 1st Ed.

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Packing List

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

- 1   Empty cover
- 1   FDD cover
- 1   Slim module cover
- 1   Screws package
- 2   Wall-mount bracket
- 1   Quick Installation Guide

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

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Chapter

1

General Information

1.1 Introduction

AMC-250 is a 5 slot wall-mount industrial computer chassis for space limited application. Mainly designed for system integrator or users who require compact system.

The unit supports 5-slot backplane and is equipped with a Flex ATX power supply. Take shockproof precautions measure for storage device. It can be vertically mounted and easy to fit into different space limited environment.
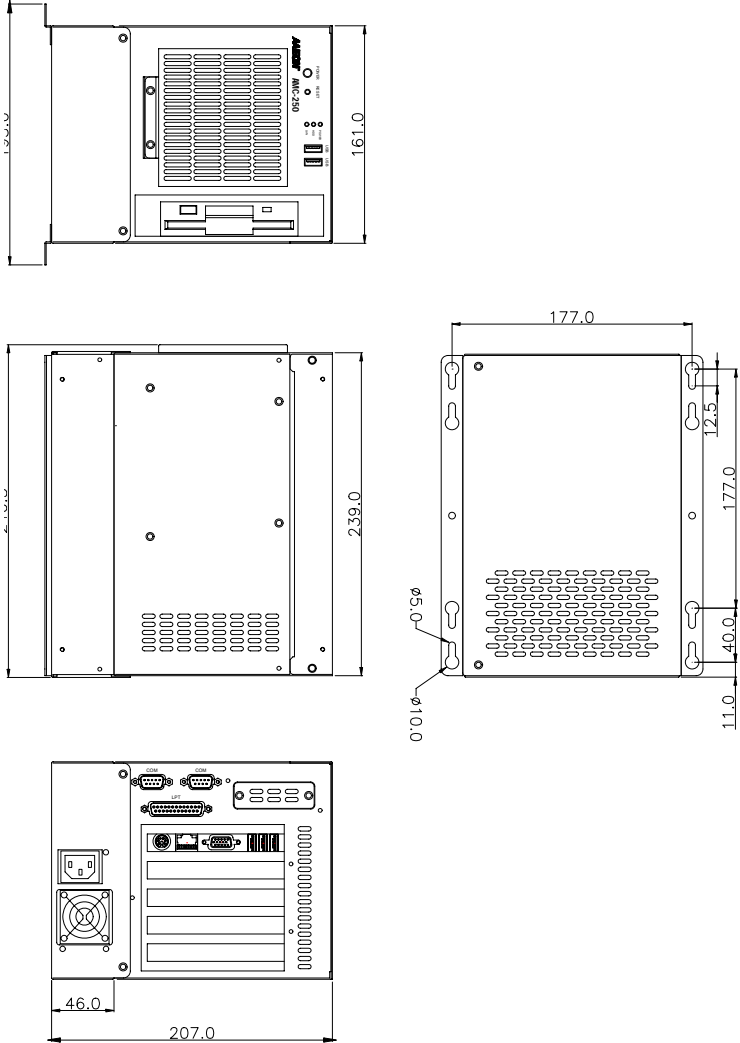
1.2 Features

- 5 Slot wall Mounting Chassis
- Supports 5 slots ISA/PICMG_PCI bus passive backplane
- Support standard Flex power supply up to 200W support
- One front panel 3.5" disk drive bay for Floppy Drive
- One front panel 5.25" disk drive bays for Slim CD-ROMs + Floppy
- One internal 3.5" or 2.5" disk drive bays for Hard Disks
- Two USB connector on front panel

1.3 Specifications

Construction:	Heavy-duty steel chassis
Storage	External：
	One 3.5" Floppy Drive or One 5.25" Slim CD-ROMs + Floppy
	Internal：One 3.5" or 2.5" Hard Disk
System Fan	One 8cm Ball Bearing Fan with removable filter
Front I/O panel	Power ON/OFF Switch X 1
	Reset Button X 1
	Power LED X 1
	HDD Active LED X 1
	LAN LED X 1
	USB Connector X 2
Rear I/O Panel	Reserved cutout for DB-25 connector X 1
	Reserved cutout for DB-9 connector X 2
Color	White
Dimensions	155mm (W) x 246mm (D) x 198mm(H)
Net weight	5.5 kg
Gross weight	6.3kg
Operating Temp.	32 ~ 113°F (0 ~ 50°C)
Storage Temp.	-4 ~ 158°F (-20 ~ 80°C)
Operating humidity:	10 ~ 80%
Storage humidity:	10 ~ 80% @ 40C, non-condensing

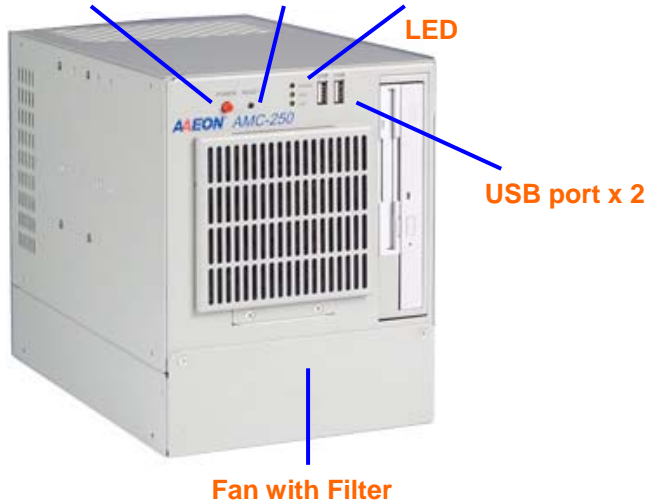| Wallmount Chassis	AMC-250

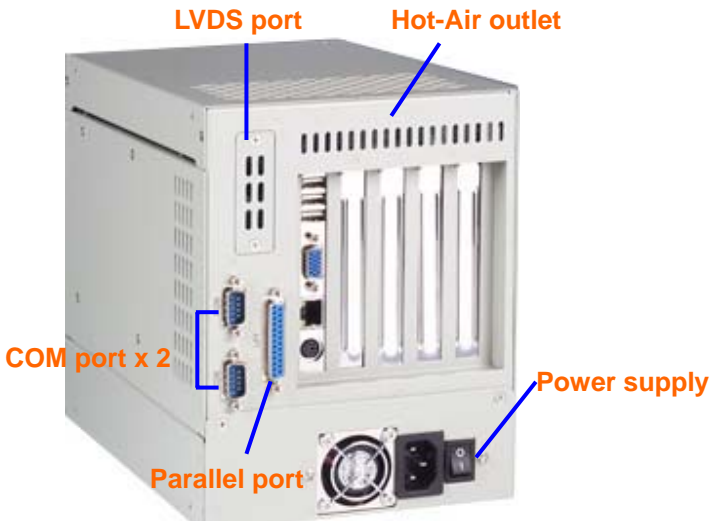|	
Vibration	0.5G / 5 ~ 500Hz / operation (2.5" H.D.D) 1.5G / 5 ~ 500Hz / no operation
Shock	10G peak acceleration (11 m sec. duration), operation 20G peak acceleration (11 m sec. duration), non operation
EMC	CE, FCC Class A

1.4 Dimension Diagram

1.5 General System Information

Front Panel:

Power Button   Reset Button   Power / HDD / LAN LED

USB port x 2

Fan with Filter

Rear Panel:

LVDS port   Hot-Air outlet
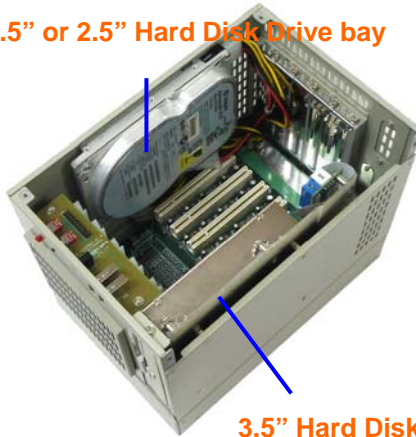
COM port x 2

Power supply

Parallel port

1.6 Connectors and Drive Bay Location

Internal 3.5" or 2.5" Hard Disk Drive bay

3.5" Hard Disk Drive / Slim type CD-ROM / Floppy Disk

Chapter

2

Quick Installation Guide

Notice:

The Quick Installation Guide is derived from Chapter 2 of user manual. For other chapters and further installation instructions, please refer to the user manual CD-ROM that came with the product.

2.1 Removing the Cover

Before you install any drives or plug-in cards into AMC-250, you have to open the cover first.

● Unscrew the cover

● Lift the chassis lid

2.2 Fasten the Backplane

Screw to fix the Backplane into the chassis, please refer to the following figures and procedures:

Step1: Fasten the four screws in the AMC-250.

Step2: Attach the Backplane to the chassis with four screws.

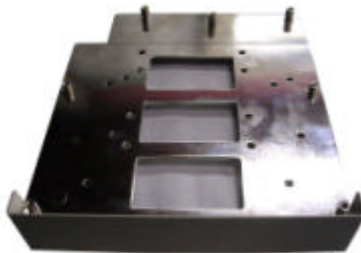Step3: Plug in a Flex ATX power connector from the power supply.

2.3 Adding a Floppy Disk / Hard Disk / Slim-type CD-ROM

Floppy Disk / Hard Disk / Slim-type CD-ROM can fit in AMC-250 standard drive bay. To install the disk drive bay, please refer to the following figures and procedures:

Step1: Unscrew the four standard driver bay screws from the

chassis.

Step2: Remove the drive bay.

Step3: Insert the disk drive you want into the drive bay (see the
following types) and get it screwed in the four holes on the
side of the disk drive.

Floppy Disk Drive   **3.5" HDD**

2.5" HDD   **Slim type CD-ROM + Floppy**

Note: Adding 2.5" HDD / 3.5" HDD, you can fasten it in the other

side of chassis.

Fasten the HDD

in this side

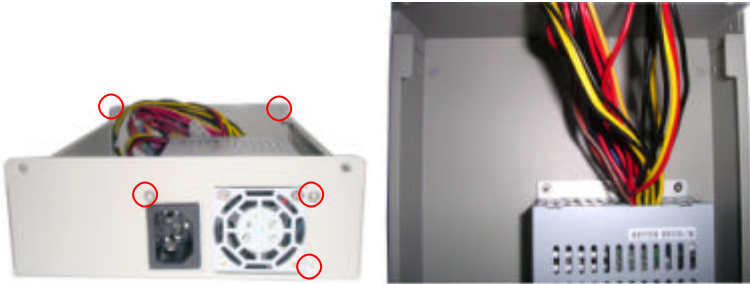Step4: Connect the disk drive power and signal cables.

2.4 Power supply installation

To install a Flex ATX power supply, please refer to the following figures
and procedures:

Step1: Unscrew the power supply cover from the chassis base.

Step2: Attach the power supply to the bracket with 5 screws.

Note: AMC-250 has one Flex ATX power supply and the other 1U ATX power is optional. Repeat the procedures above to install a 1U ATX power supply.

2.5 Replacing the Filter

You may need to replace the used filter after a period of time.

Please refer to the following figures and procedures:

Step1: Unscrew the 2 bottom screws of the filter cover then pull the cover free from the chassis.

Step2: Remove the filter and replace it with a new one.

Step3: Insert the filter and the cover back to the chassis and screw the cover through the hole at the bottom.