WMC-704M
Wallmount-Chassis
User Manual

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Chapter 1 Getting Started

General Information

The WMC-704M Wallmount chassis supports ATX motherboard, and 2 x 5.25" and 1 x 3.5" external drive bays. The chassis has one 12cm fan, and supports PS2 or mini-redundant power supply.

Product Specification

Construction	Heavy-duty steel
Drive bay	2 x 5.25" and 1 x 3.5"external drive bays
Cooling fan	1 x 12cm ball-bearing fan
Switch	On/Off switch and reset switch
Indicator	Power On/Off and HDD activity LEDs
Expansion	7 x full-height expansion slots
Dimension (W x D x H)	330 x 406 x 204.2mm; 13 x 16 x 8 inches
Weight	NW: 7.7kg / GW: 9.4kg

Packing Checklist

|	
1 x Wallmount bracket	20 x PSU & Card hold bracket screw
20 x Wallmount bracket screw	8 x Fastener
20 x 3.5" HDD screw	5 x Card hold bracket
20 x 5.25" Drive screw	5 x Fastener adhesive (Small)
20 x Motherboard screw	1 x Fastener adhesive (Big)
20 x Standoff	4 x Rubber foot adhesive

Recommended Tools

- Philips Head Screwdriver

- Flat Head Screwdriver

- Forceps (for pulling out jumpers and screws)

Recommended Working Environment

A flat anti-static work surface is required when assembling a complete system

Chassis Mechanical Drawing

Drawing with dimension in millimeter:
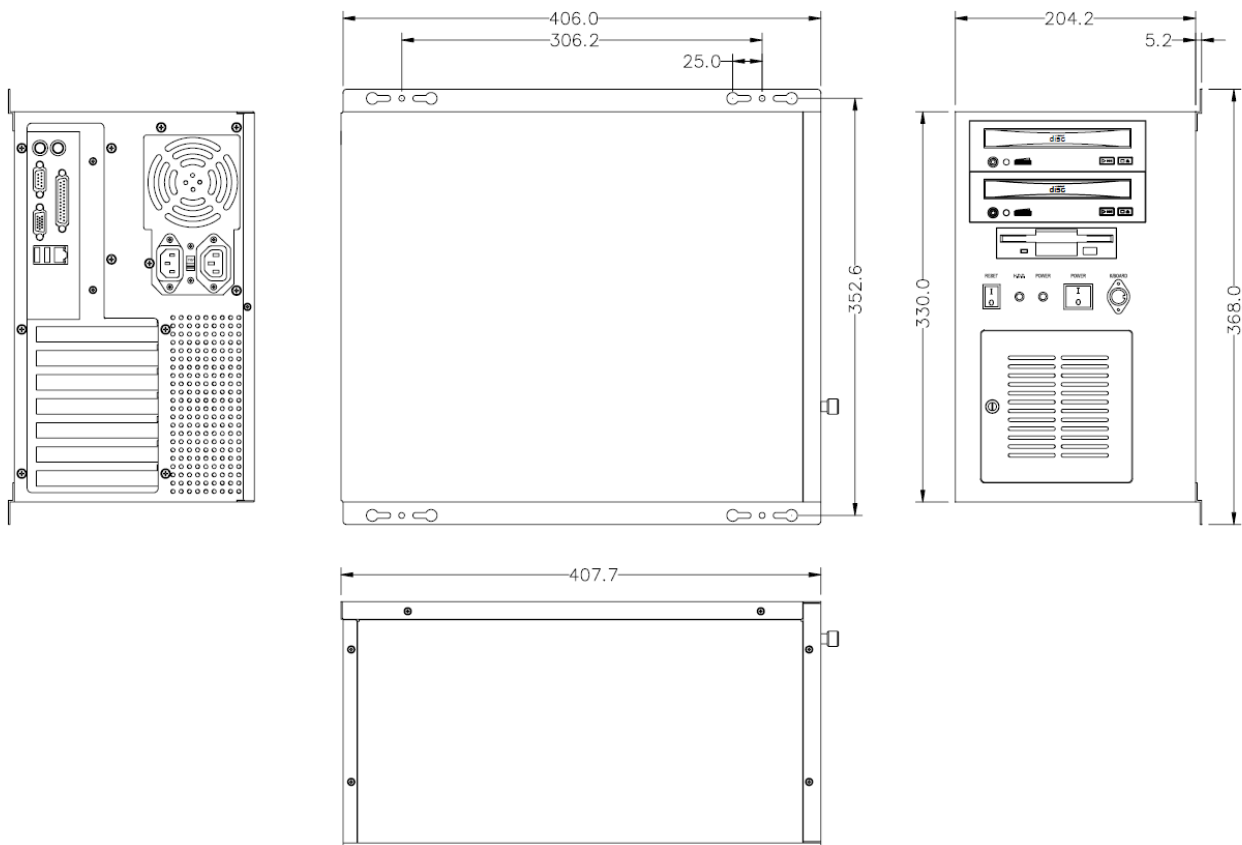
Chapter 2 Installation Guide

Unpacking the Chassis

The WMC-704M is shipped in a plastic bag that is placed inside a cardboard box. The accessories are also shipped with the chassis. When you unpack the chassis you must:

- Make sure all the accessories and bracket (1 set) listed above are present.
- Make sure the chassis has not been damaged in anyway. The installation steps outlined above are described in detail below. Please refer to the relevant section(s).
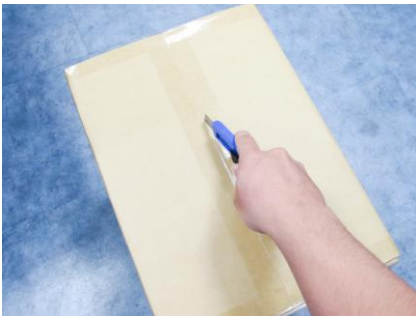
Removing the top cover and hold-down clamp

The top cover is secured by a total of six screws (two on each side and two on rear side of the chassis).To remove the top cover, please follow the steps below:

1. Remove all five top cover retention screws

2. Slide the cover toward rear of the chassis, then lift the cover off the chassis
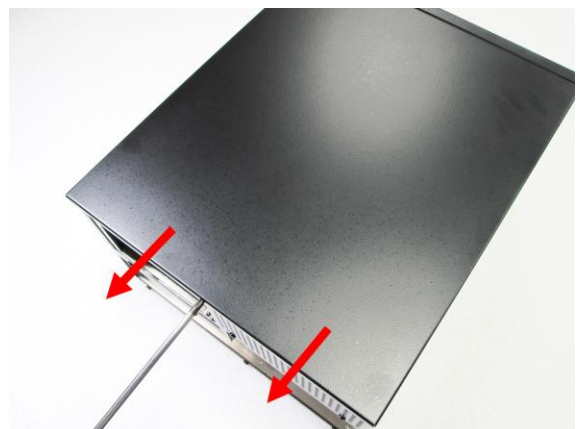
Installing the Power Supply Unit

Once the top cover have been removed, a user supplied PSU can be installed. The PSU is installed at the rear of the chassis and secured to the chassis with four retention screws. To install the PSU, please follow the steps below:

1. Remove the card hold bracket by removing the two screws
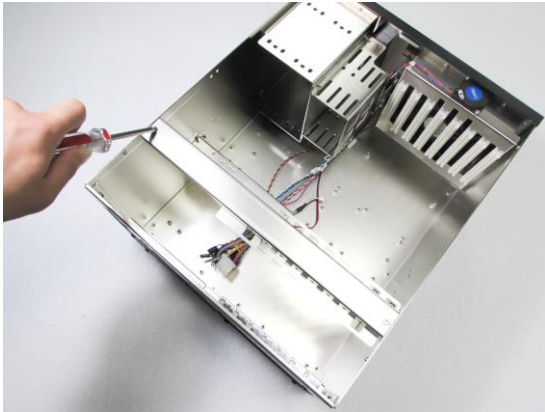
2. Correctly position the PSU at the rear of the chassis with the power switch and cable socket both facing outwards. Secure the PSU by inserting four retention screws through the rear of the chassis
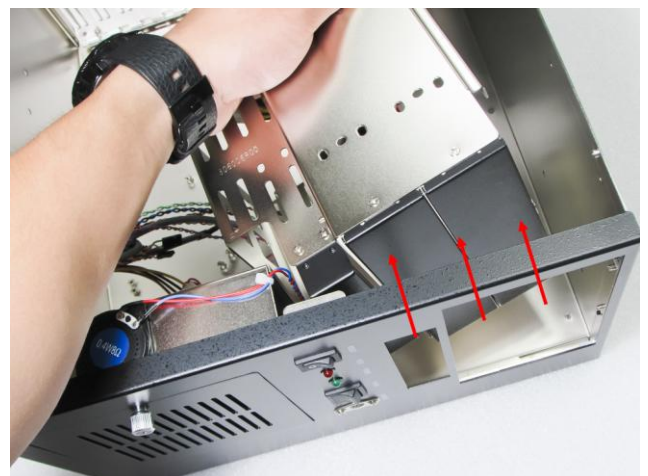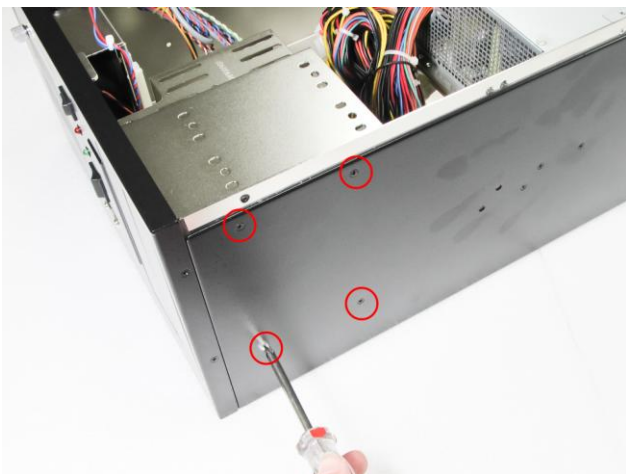

• Compatible Power Supply Unit models are available in Appendix A.

Installing the Hard Disk Drive

The WMC-704M chassis supports two 5.25" and one 3.5" external drive bays.
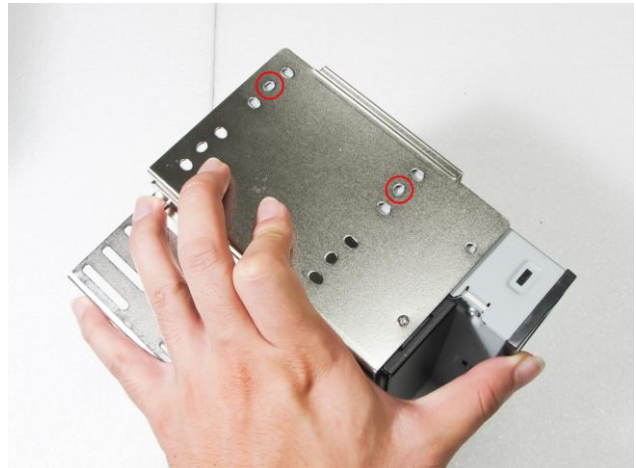To install the drives, please follow the steps outlined in the sections below.

1. Remove the screws (4x screw per one drive cage) and take the drive cage out

2. Remove the screws (2 screws for one cover) to remove the drive cage covers. Secure the Optical drive and/or hard disk drive to the cage.
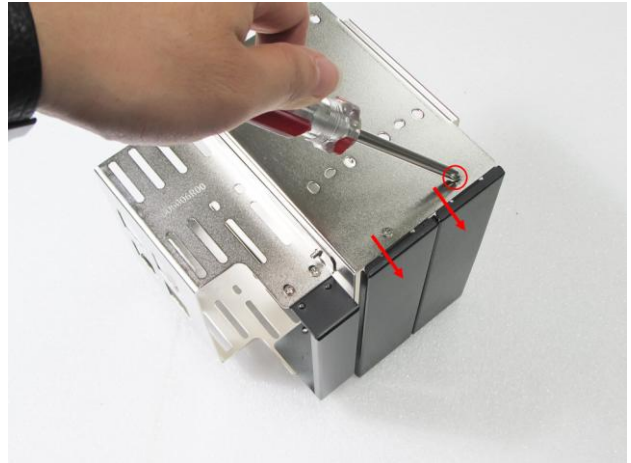
3. Carefully insert the ODD drive into the drive tray, and secure the drive by inserting four retention screws (four on each side) through the sides of the drive tray


4. Carefully insert the 3.5" HDD into the drive tray, and secure the HDD by inserting six retention screws (three on each side)on each side) through the sides of the drive tray
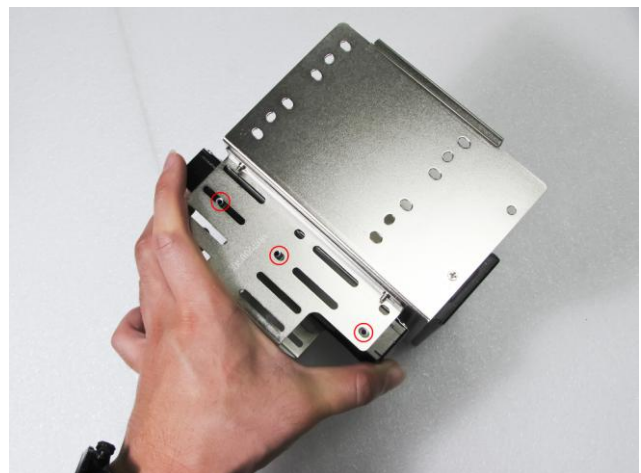
Installing the Motherboard

To install the ATX motherboard, please follow the instructions below:

1. Insert the standoffs to the predrilled screw holes in the bottom plate

2. Lay the motherboard to chassis and secured with screws to the standoff below
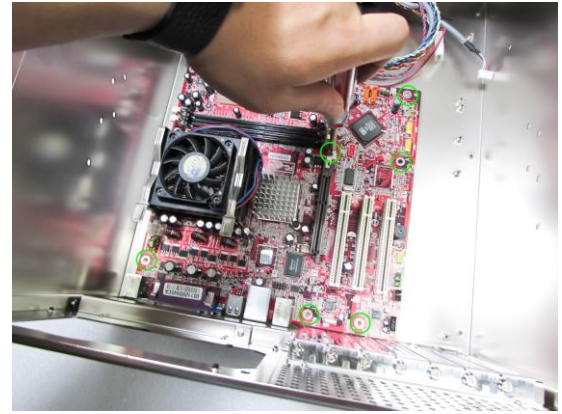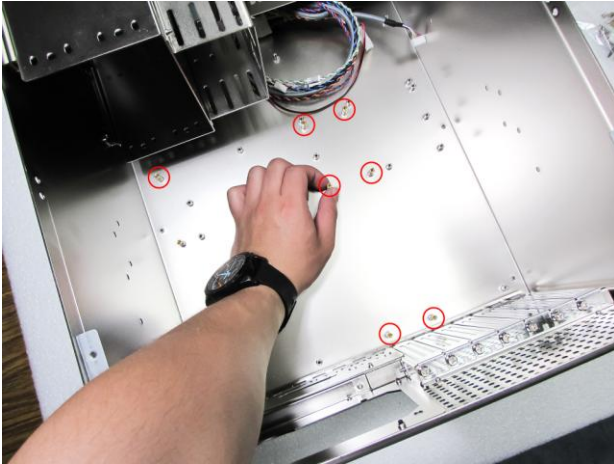
- Different motherboard may have different Screw hole positions, please refer to their own User manual for details.
- Compatible motherboard models are available in Appendix B.

Installing the Expansion Card

To install the Expansion Card please follow the instructions below:

1. Remove the slot cover by removing the screw at top of the slot cover

2. Slide the Expansion card into the socket on the motherboard reserved for the Expansion card.

3. Secure the expansion card I/O bracket with screw

- Please make sure to disconnect the Power Supply before installing the Expansion Card.
- Do not turn on power during the installation process
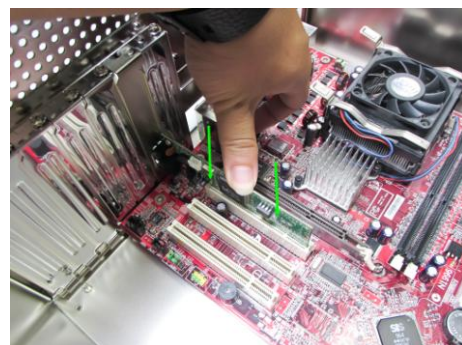- Electrostatic Discharge (ESD) can damage electronic components. To prevent damage to your system, use a grounded wrist strap designed to prevent static discharge

Appendix A   Power Supply Unit

Compatible Power Supply Units are listed in the table below:

Model number	Wattage	Type	Dimension (W x D x H)
SS-400ES	400W	Single output	150 x 140 x 86mm
SS-600ES	600W	Single output	150 x 140 x 86mm
SS-400R8P	400W	Redundant PSU	150 x 199 x 86mm
R4S-400G1V2	400W	Redundant PSU	150 x 174 x 86 mm
R4S-500G1V2	500W	Redundant PSU	150 x 174 x 86 mm
R4B-500G1V2	500W	Redundant PSU	150 x 199 x 86mm

Appendix B   Motherboard

Compatible AICSYS motherboards are listed in the table below:

Model number	Type	PCI	PCIe	ISA	PSU type
MBC-6508	Mini-ITX	N/A	1	N/A	ATX
MBC-6243	Mini-ITX	N/A	1	N/A	ATX
MBC-6240	Mini-ITX	N/A	1	N/A	ATX
MBC-6230	Mini-ITX	1	N/A	N/A	ATX
MBC-4506	Mini-ITX	N/A	N/A	N/A	ATX
MBC-4503	Mini-ITX	1	N/A	N/A	ATX
MBC-4229	Mini-ITX	1	N/A	N/A	ATX
MBC-6250	microATX	2	2	N/A	ATX
MBC-6603	microATX	2	2	N/A	ATX
MBC-6510	ATX	4	3	N/A	ATX
MBC-6507	ATX	3	4	N/A	ATX
MBC-6506	ATX	4	3	N/A	ATX
MBC-4220	ATX	4	3	1	ATX

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