IW-A500

ATX SUPER MID TOWER CHASSIS

User's Manual

Version 1.0

IN WIN Development Inc.

1 Introduction

The IW-A500 super mid ATX tower case is designed for ATX motherboards. The chassis is equipped with PS/2 type power supply that meets the latest Intel P4 12V specification.

Figure 1. Chassis Structure View

Table 1. Chassis Physical Specifications

Height	398mm (15.69-Inch)		
Width	220mm (8.69-Inch)		
Depth	455mm (17.94-Inch)		
Weight	N.W. 8.0kg(17.7lb); G.W. 9.0kg(19.9lb)		
Containers	**Single Pack**		
	20'	40'	40' H
	400 units	832 units	944 units
	Dimension: 485(W) x 283(D) x 525(H) (mm) / Pack		
	Industry Pack		
	20'	40'	40' H
	480 units	1008 units	
	Dimension: 1260(W) x 980(D) x 1090(H) (mm) / Pack		

1.1 Contents of Package

Check the package before opening. Contact your local dealer for damaged packages.

Table 2. Chassis Adapter Kits

Item	Descriptions	Quantity
1.	ATX Mid Size Chassis	1
2.	AC Switch Power Supply	1
3.	AC Power Code	1
4	Screw Package (Refer to Parcel List for Detail)	1
5	Plastic Fan Holder with Buzzer	1
6.	P4 Package (standoff * 4 sets)	1

Table 3. Chassis Parcel List

Item	Descriptions	Quantity
1	Ground Copper Screw	1
2	M3*5 Screw	20
3	I/O Device Panels	6
4.	Rubber Foot	4
5.	#6*32 4.5 Screw	13
6.	#6*32 Hex Screw	17
7.	Key Flap	1
8.	HDD Bracket	1

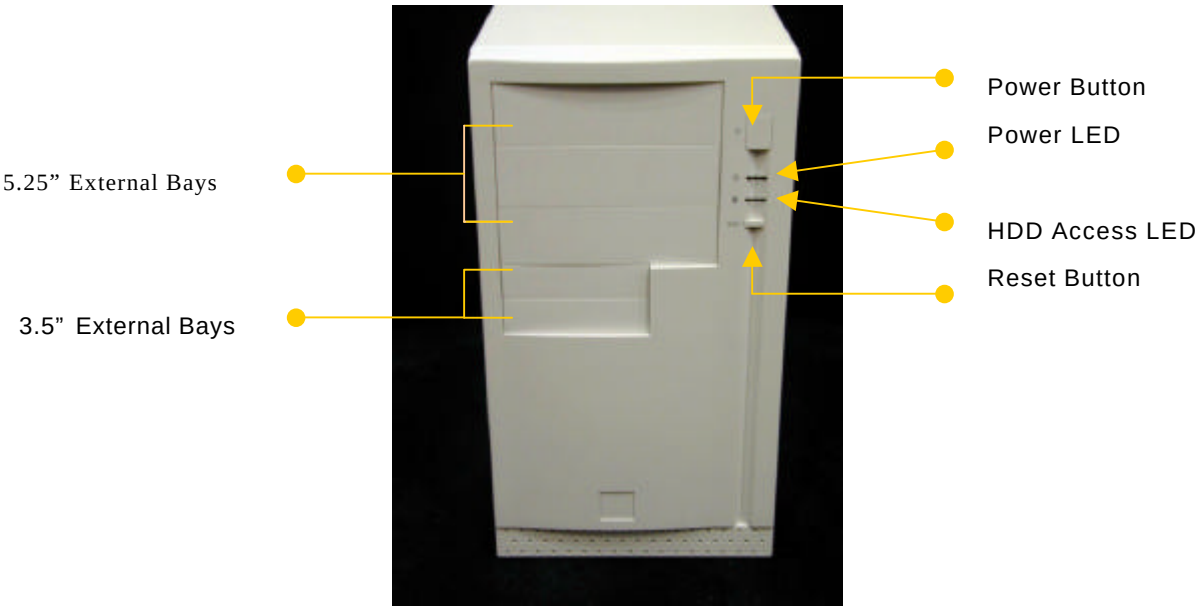


Figure 2. Chassis Front View

1.2 Chassis Front Controls and Indicators

Item	Feature	Descriptions
1.	5.25-inch External Bay	Three 5.25-inch external bays provide space for any 5.25-inch drive use. Such as CD-Rom, CD-R/W, DVD.
2.	3.5 -inch External Bay	Two 3.5-inch external bays provide space for any 3.5-inch device use. Such as FDD, and HDD
3.	Power Button	Power On/Off button for the system.
4.	Power LED	Green LED indicator shows the power on/off status of the system.
5.	HDD Access LED	Orange LED indicator shows the access status of hard disk.
6.	Reset Button	Reset button for the motherboard.

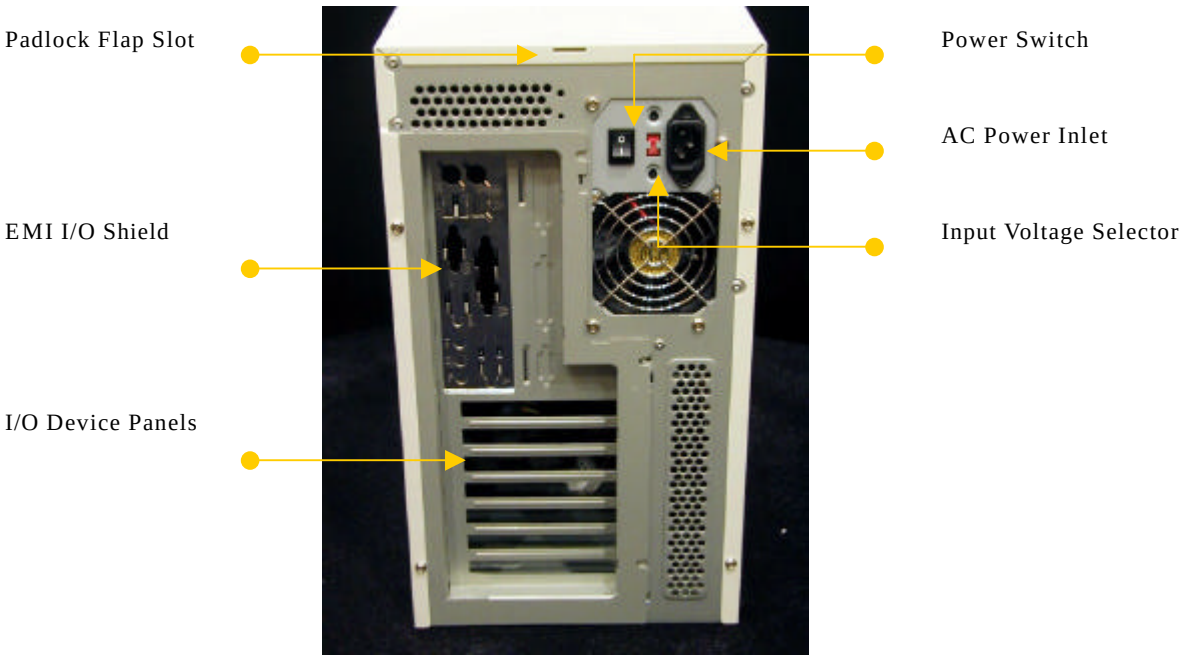


Figure 3. Chassis Back view with PS2 SPS

1.3 Chassis Back I/O Ports and Features

Item	Feature	Descriptions
1	Padlock Flap Slot	On the rear side of the enclosure top cover, user can use the key flap for padlock to prevent unauthorized access to the enclosure.
2.	EMI I/O Shield	EMI I/O Shield for Cable Connection
3.	I/O Device Panel	Seven I/O device slots for the chassis
4.	AC Power Switch	Main power switch to turn the system on/off
5.	AC Power Inlet	AC Power-In Connector
6.	Input Voltage Selector	To select AC input voltage for 115Vac or 230Vac

2 Installation

Tools and Supplies Needed

- ✧ Phillips (cross-head) screwdriver (#2 bit)
- ✧ Flat-head screwdriver

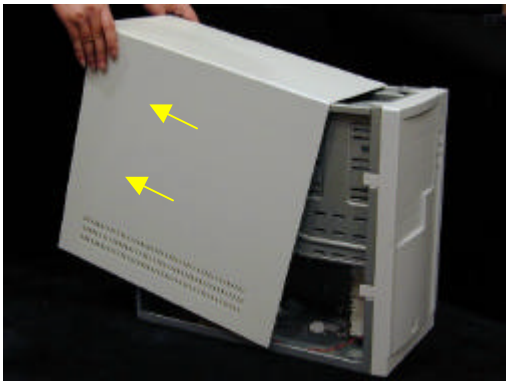
Safety: Before Connecting the Power to the System

Before plug in the AC power cord to the power outlet, make sure the input voltage selector that located on the rear side of the power supply, has been selected to the correct position. (115 V or 230 V)

WARNING!

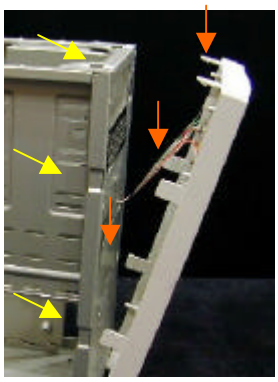
Selecting to the in-correct input voltage position may cause the power supply and system devices damaged.

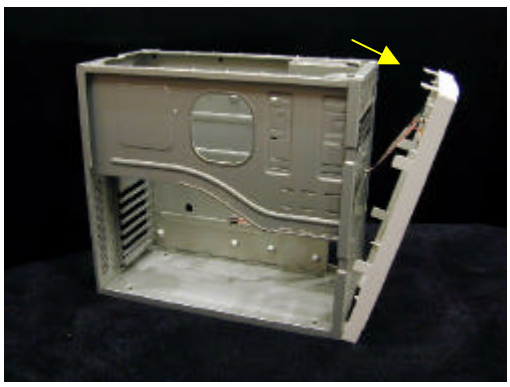
2.1 Removing and Reinstalling the Chassis Cover



- ✧ Removing the chassis top cover by release 4 (#6*32 Hex) screws located on the rear side of the chassis. Then pull the top cover back and lift up.
- ✧ Reinstalling the chassis top cover by reversing the instructions of the chassis top cover removal.

2.2 Removing and Reinstalling the Screwless Front Panel

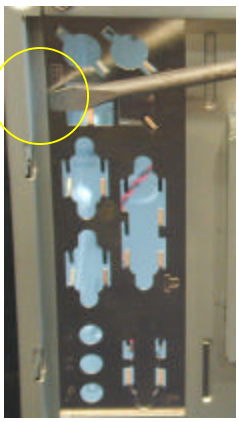
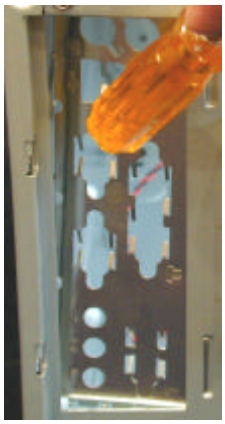
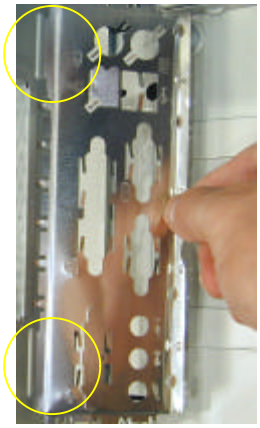




- ✧ For users who need to remove the screwless front panel can press off 6 plastic clips on the back panel sequentially and gently. Start from one site to the other, top to the bottom and pulling away the chassis.
- ✧ Reinstalling the front panel by simply snap the front panel back to the position.

2.3 Removing and Reinstalling the Standard EMI I/O Shield

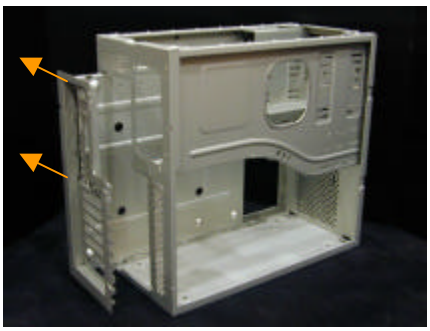
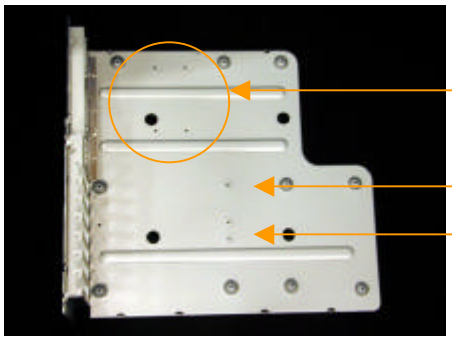
Note: The standard EMI I/O shield has been installed and is compatible with most of the Intel qualified motherboard. Replace it when I/O devices on the M/B do not fit in the standard I/O shield.

- ✧ Removing the standard EMI I/O shield by simply using the flat-head screwdriver, dig in 4 dotted grooves location from external. (Check the dotted grooves from the back of the I/O shield)
- ✧ Knock the I/O shield gently by using a tool to detach the I/O shield.
- ✧ Install the I/O shield from inside of the chassis. Position two flat edges into two opening slots. Push it into the opening until it is seated, so that the 4-dotted groove is fitted to the chassis wall. Make sure the I/O shield snaps into place all the way around.

Warning! Metal shield detaching without tooling may cause personal injury. Therefore, it is highly recommended to use a tool to detach the metal shield.

2.4 Install Motherboard and I/O panels


P 4 CPU 423 Pins Standoffs

Ground Copper

- ✧ Flex ATX
- ✧ Micro ATX
- ✧ ATX


- ✧ Pull out the M/B tray from backboard. Lift the backboard and pull it out smoothly.
- ✧ Place the M/B tray on a flat surface.
- ✧ Identify the M/B Type and screw holes on the M/B.

Note: Numbers of convex mounting holes may not meet all various M/B requirements. An optional

Ground Copper Screw can be used as a backup convex mounting hole by set the ground copper into an optional (Flex ATX Micro ATX, ATX) position.

- ✧ For P4 CPU 423 Pins user, use the CPU standoffs to fasten the CPU retention mechanisms.
- ✧ Place the M/B on the M/B tray, aim to the correct convex mounting holes and fasten the M/B with numbers of (#6*32 Hex) screws.
- ✧ Install the I/O panels. Always install I/O panels when there is no I/O device available.

2.5 Install 5.25-Inch External Devices



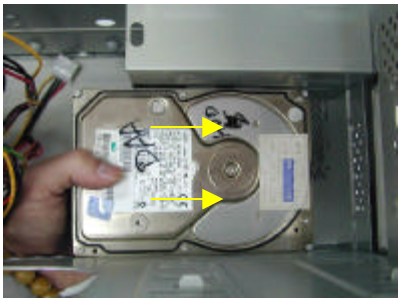
- ✧ Slide the 5.25-Inch peripheral into first opening 5.25 drive bay from outside of the base until the mounting holes on the side of the peripheral line up with the mounting holes in the chassis base. Then fasten the peripheral with 4 (M3*5) screws.
- ✧ For 2nd 5.25-Inch peripheral installation, simply detach the EMI metal cover by using the flat-head screwdriver bending the EMI metal cover out.
- ✧ For 3rd 5.25-Inch peripheral installation, detach the metal shield by using a flat head screwdriver bend the metal shield back and forth till the metal shield detached.

Warning! Metal shield detaching without tooling may cause personal injury. Therefore, it is highly recommended to use a tool to detach the metal shield.

2.6 Install 3.5-Inch External Devices

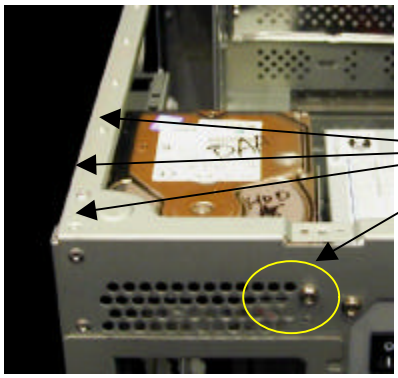

- ✧ Slide the 3.5-Inch peripheral into first opening 3.5 drive bay from outside of the base until the mounting holes on the side of the peripheral line up with the mounting holes in the chassis base. Then fasten the peripheral with 4 (M3*5) screws.
- ✧ For 2nd 3.5-Inch peripheral installation, detach the metal shield by bending the metal shield back and forth till the metal shield detached.

2.7 Install 3.5-Inch Internal Devices



- ✧ Slide the 3.5-Inch peripheral into the 3.5 drive bay from inside of the base until the mounting holes on the side of the peripheral line up with the mounting holes in the chassis base. Then fasten the peripheral with 4 (6*32 4.5) screws.

2.8 Install 2nd Backup H.D.D.



- ✧ Find the HDD bracket and assemble the bracket with 2nd Backup HDD by using 2 (6*32 4.5) Screws.
- ✧ Fasten the HDD with HDD bracket in the 2nd backup HDD position that located in the top site of the rear chassis, line up with the mounting holes and fasten the bracket with 4 (#6*32 Hex) screws.

2.9 Install Optional Front 8cm Auxiliary Cooling Fan

Note: The front 8cm auxiliary cooling fan is an optional that not come with the standard package.

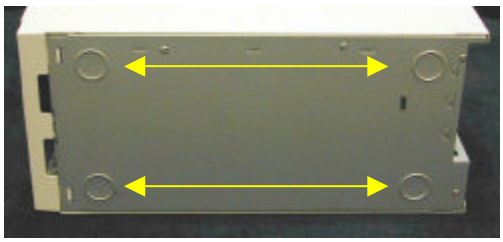
- ✧ First remove the M/B tray **(Installation 2.5)**.
- ✧ Detach the snap on cage by simply press down the plastic clipper from the top of the plastic cage and pull the cage out from inside of the chassis.
- ✧ Insert an 8cm fan into the cage without any screw, and reinstall the cage back to the position by reversing the instruction of the cage removal.

2.10 Install Security Key Flap

✧ Find the key flap from screw package and set the key flap on the rear side of the base next to the auxiliary cooling fan and fasten it with 1 (#6*32 Hex) screw.

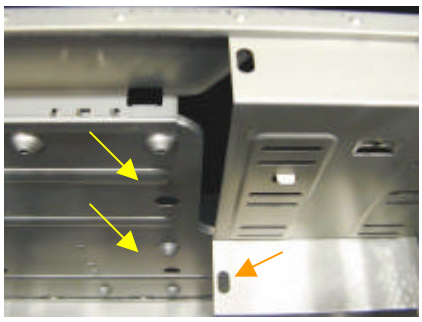
2.11 Install Rubber Foot

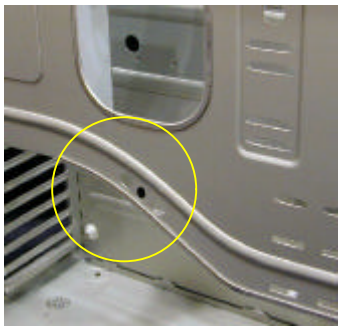
Note: Make sure the attaching area contains with no any dust or oily material before attach the rubber feet.



✧ Find 4 rubber feet from screw package. Lay down the chassis and attach 4 rubber feet on the rubber feet position that located on the bottom of the chassis.

2.12 Routing Cables





✧ Cables can be routed in several areas as showed in the pictures above.