

## Chapter 1

### MS-6209 CHASSIS INSTALLATION GUIDE

#### 1. Overview

The MS-6209 is a specially designed chassis for MS-6176E mainboard. The chassis can accommodate one Floppy drive, Hard drive, and Standard CD-ROM. The chassis back panel support one VGA, Network(UTP), Speaker, Game, LPT, PS/2® mouse and keyboard.

#### 2. Installation Tools

Tools you need before you start:

- screw driver (phillips cross head type)
- long nose pliers
- anti-static wrist strap or glove
- user's guide.

#### 3. Screw

Two types of screws are provided by the MS-6209: Flat head screw and Screw w/washer.



Pan Head

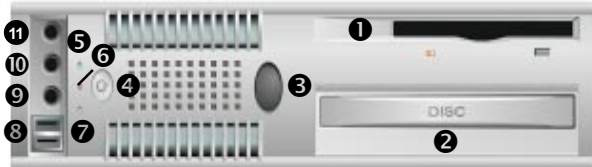
This type of screw is used to mount the mainboard into the Case.



Screw w/  
Washer

This type of screw is used to mount the Floppy Drive, CD-ROM Drive, and Hard Drive into the Case.

## 4. Front Panel Overview



Front Panel (B)

- |    |                       |
|----|-----------------------|
| 1  | 3.5" Floppy Drive     |
| 2  | Standard CD-ROM Drive |
| 3  | IR Windows            |
| 4  | Power Switch          |
| 5  | Power & Suspend LED   |
| 6  | Hard Disk LED         |
| 7  | Network LED           |
| 8  | USB ports             |
| 9  | Earphone/Speaker Jack |
| 10 | Line-In Jack          |
| 11 | Microphone Jack       |

## 5. Installation Procedures

### The Cables used



### The Mainboard



### Front Panel Audio/ USB peripheral with cables



### Front Panel IR Peripheral with Cable



**Riser Card**



**System Fan**



- 1. Remove the screws and open the cover.**



- 2. Release the lock to remove the Front Panel Bezel.**



- 3. Remove the HDD Bracket**  
- Press lever to release the HDD Bracket.



- 4. HDD Bracket**



- 5. Unscrew the Rear I/O Shield. Then, remove the Rear I/O Shield.**



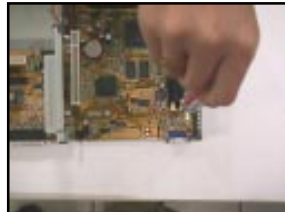
- 6. Insert the Motherboard.**



- 7. Align the Motherboard properly.**



- 8. Secure with screws.**



- 9. Connect the System Fan. Secure with screws. Connect the cable into the motherboard.**



- 10. Connect the Front Panel Audio/USB Peripheral. Secure with screws. Connect the necessary cable into the motherboard.**



- 11. Connect the Front Panel IR Peripheral. Secure with screws. Connect the necessary cable into the motherboard.**



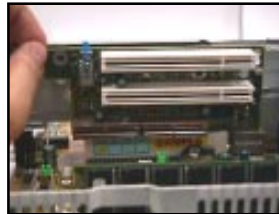
- 12. Install the Processor. Then, install the Processor Fan.**



- 13. Install the DIMM module.**



- 14. Insert the Riser Card.**



- 15. Secure the Riser Card with screws.**



- 16. Reconnect the Rear I/O Shield. Secure with screws.**



- 17. Insert the CD-ROM Drive. Connect the CD-ROM Cable into the Motherboard.**



- 18. Connect the CD-ROM Audio Cable into the Motherboard.**





- 19. Secure the CD-ROM drive with screws.**



- 20. Insert the 3 1/2 Floppy Drive into the Chassis.**



- 21. Connect the Floppy Drive Ear.**



- 22. Secure the Floppy Drive Ear with screws.**



- 23. Secure the Floppy Drive with screws.**



- 24. Connect the Floppy Drive Cable into the Motherboard.**



- 25. Secure the Hard Disk into the HDD bracket with screws. Reinstall the HDD Bracket.**



- 26. Fit in the Power Supply. Connect the power connector into the Motherboard, CD-ROM, Floppy Drive, and Hard Disk.**



- 27. Secure the Power Supply with screws.**



- 28. Reconnect the Front Panel Bezel.**



- 29. Close the Chassis Cover.**  
**- Secure with screws.**

