



P1-P5945G/P2-P5945G *ASUS PC (Desktop Barebone)*

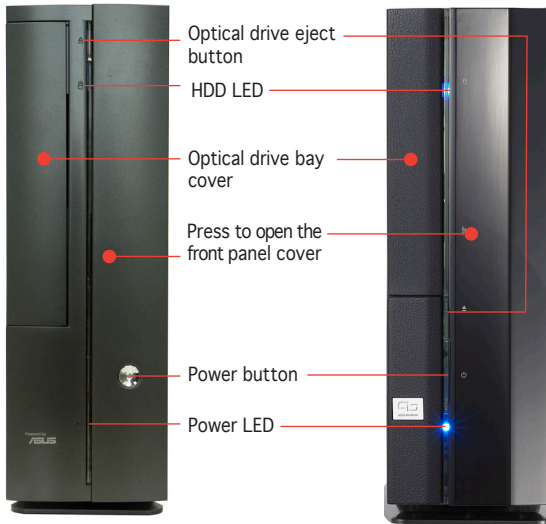
Installation Manual



Download the latest manual from the ASUS website: www.asus.com

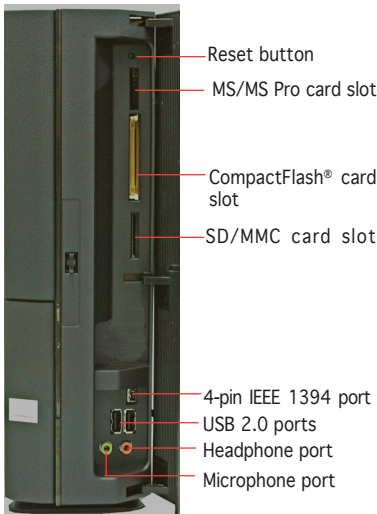
Front panel features

Close

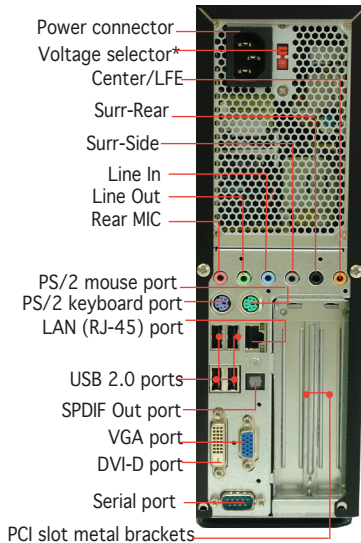


Front panel features

Open

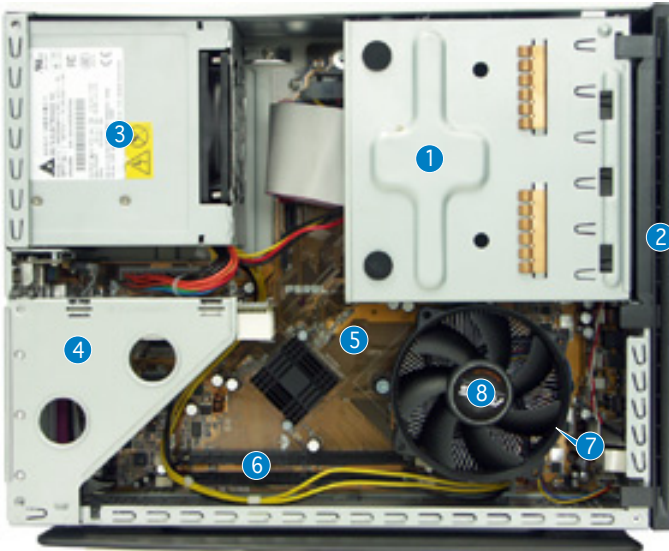


Rear panel features



* The system's power supply unit has a 115 V/230 V voltage selector switch located near the power connector. Use this switch to select the correct system input voltage according to the voltage supply in your area.

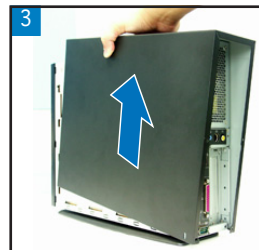
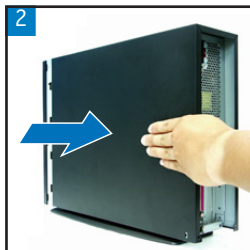
Internal components



1. 5.25-inch optical drive and 3.5 inch hard disk drive cage
2. Front panel cover
3. Power supply unit
4. PCI card riser bracket (connected to the motherboard PCI slot)
5. ASUS motherboard
6. DIMM sockets
7. LGA775 socket (under the CPU fan and heatsink assembly)
8. CPU fan and heatsink assembly

Removing the cover

1. Remove the cover screws. Keep the screws for later use.
2. Pull the cover slightly toward the rear panel.
3. Lift the cover, then set aside.



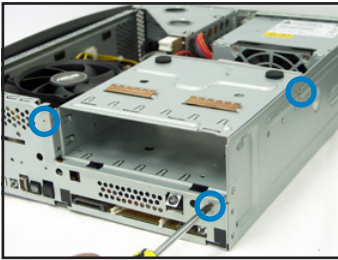
Removing the front panel cover

1. Lift the front panel cover hooks outward.
2. Carefully remove the front panel cover, then set it aside.



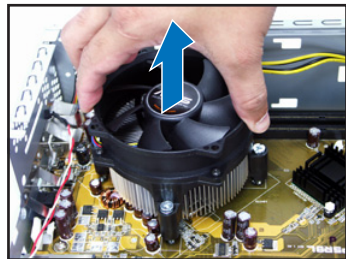
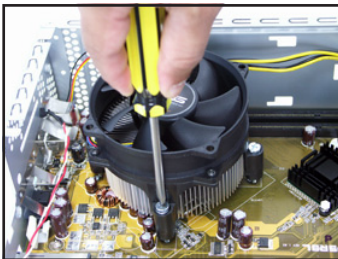
Removing the storage drive assembly

1. Lay the system on its side, then locate and remove three storage drive assembly screws.
2. Lift the storage drive assembly, then set aside.



Removing the CPU fan and heatsink

1. Disconnect the CPU fan cable.
2. Loosen the CPU fan and heatsink assembly screws.
3. Lift the CPU fan and heatsink assembly, then set aside.



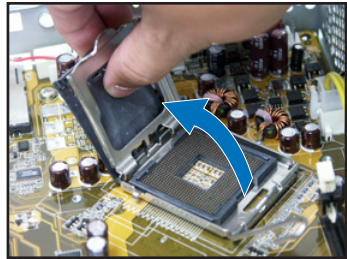
Installing the CPU

1. Unlock the load lever, then lift to a 90°-100° angle.
2. Lift the load plate, then remove the PnP cap.

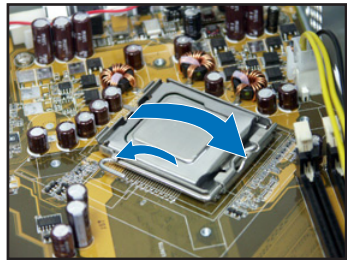
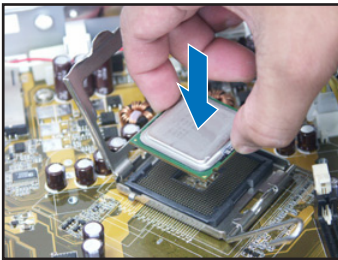


Retention tab

Load lever



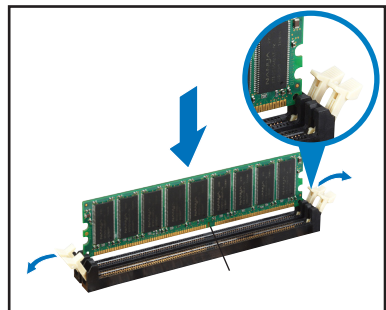
3. Install the CPU. The CPU fits in only one orientation.
4. Close the load plate, then lock the load lever.



5. Reinstall the CPU fan and heatsink assembly, then reconnect the CPU fan cable to the CPU fan connector on the motherboard. Refer to the instructions in the previous section for details.

Installing a DIMM

1. Locate the DIMM sockets in the motherboard.
2. Unlock a DIMM socket by pressing the retaining clips outward.
3. Align a DIMM on the socket such that the notch on the DIMM matches the break on the socket.

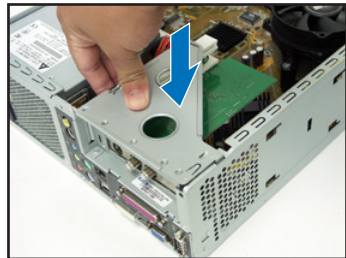
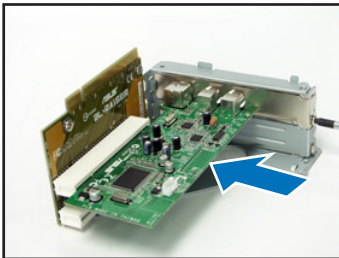


Installing an expansion card

1. Lift the PCI riser card assembly to remove.
2. Remove the metal cover opposite the slot that you intend to use.

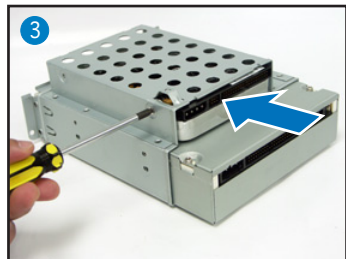
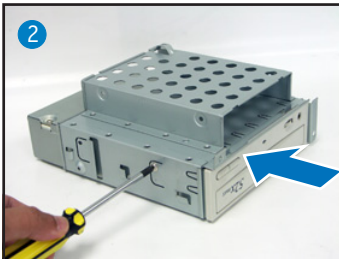


3. Insert the card connector to the slot, then press the card firmly until it fits in place. Secure the card with a screw.
4. Reinstall the PCI riser card assembly. Make sure that the riser card connector sits properly on the motherboard PCI slot.



Installing optical and storage drives

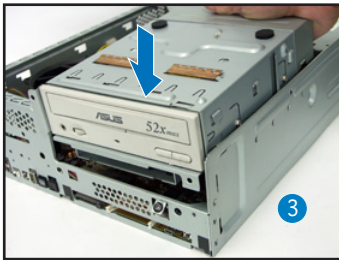
1. Turn the storage drive assembly upside down with the 3.5-inch bay on top of the 5.25-inch bay.
2. Insert the optical drive upside down to the 5.25-inch bay, then secure it with two screws on both sides.
3. Turn the storage drive assembly, insert the hard disk drive upside down to the 3.5-inch bay, then secure it with two screws on both sides.



Reinstalling the storage drive assembly

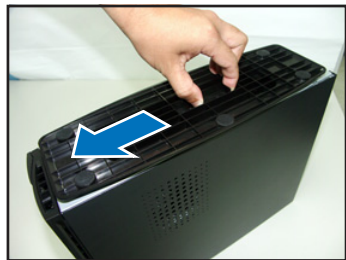
Before reinstalling the storage drive assembly, connect the IDE/SATA and power plugs to the IDE/SATA and power connectors at the back of the drives.

1. Connect the black plug of the IDE cable to the optical drive, then the gray plug to the hard disk drive. If you have the SATA HDD, connect the SATA cable to the SATA HD.
2. Connect the 4-pin power plugs to the power connectors at the back of the drives.
3. Install the storage drive assembly to the chassis.
4. Secure the storage drive assembly with three screws.



Installing the foot stand

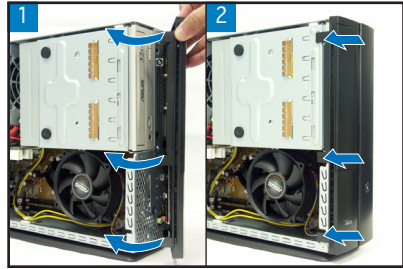
1. Match the foot stand hooks to the holes on the chassis.
2. Pull the foot stand to the direction of the arrow until the lock clicks in place.



To remove the foot stand, lift the lock, then slightly push the foot stand to the direction of the rear panel until it disengages from the chassis.

Reinstalling the front panel cover

1. Insert the front panel cover tabs to the holes at the right side of the chassis, then close.
2. Insert the front panel cover hooks to the chassis tabs until the front panel cover fits in place.



Reinstalling the cover

1. Install the cover to the chassis. Make sure the cover tabs fit the chassis rails.
2. Push the cover toward the front panel until it fits in place.
3. Secure the cover with two screws.

