ASUS®

Vintage-PH1
Barebone System
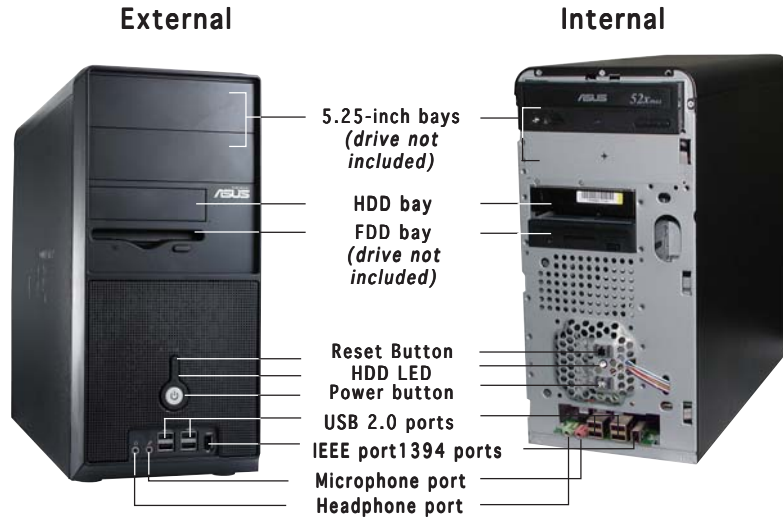
Quick Start Guide
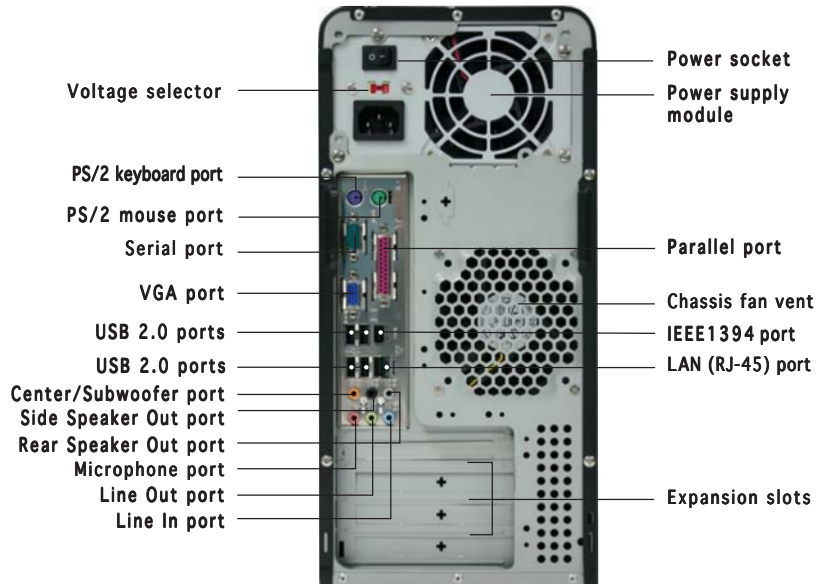
Front panel features

External   ### Internal

- 5.25-inch bays *(drive not included)*
- HDD bay
- FDD bay *(drive not included)*
- Reset Button
- HDD LED
- Power button
- USB 2.0 ports
- IEEE port1394 ports
- Microphone port
- Headphone port

Rear panel features

- Voltage selector
- PS/2 keyboard port
- PS/2 mouse port
- Serial port
- VGA port
- USB 2.0 ports
- USB 2.0 ports
- Center/Subwoofer port
- Side Speaker Out port
- Rear Speaker Out port
- Microphone port
- Line Out port
- Line In port
- Power socket
- Power supply module
- Parallel port
- Chassis fan vent
- IEEE1394 port
- LAN (RJ-45) port
- Expansion slots

Voltage selector

The switching power supply that came with the system has a voltage selector switch below the power socket. Use this switch to select the appropriate voltage according to the voltage supply in your area.

If the voltage supply in your area is 100-127V, set the switch to 115V.

If the voltage supply in your area is 200-240V, set the switch to 230V.
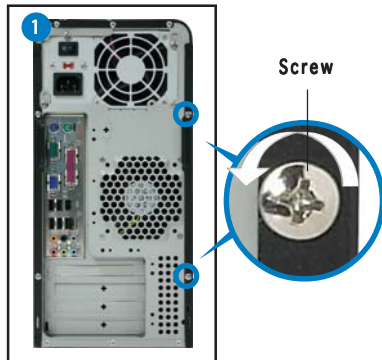
115V/230V
Voltage selector

CAUTION. Setting the switch to 115V in a 230V environment will seriously damage the system!

Internal components

1. PFC power supply
2. Motherboard
3. Two 5.25" optical drive bays
4. 3.5" HDD drive bay
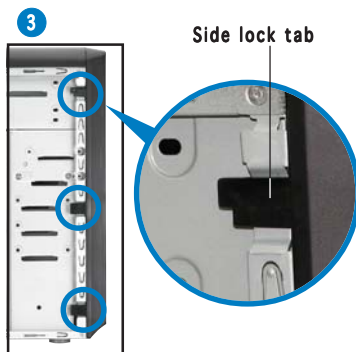5. 3.5" Floppy drive bay
6. Hard disk drive bays

Removing the side plate and front cover

Remove the two screws on the rear panel.

Screw

IMPORTANT. Repeat steps 1 and 2 to remove the other side plate.
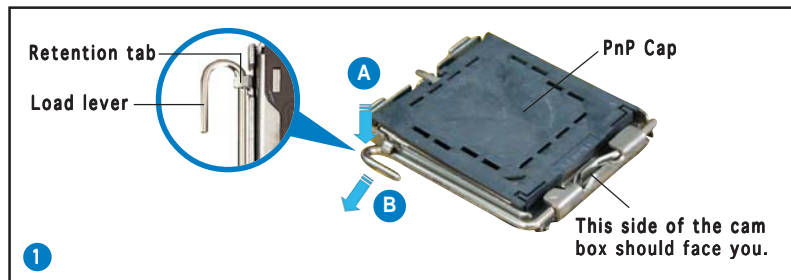

Side lock tab

Release the side lock tabs.

Hinge-like tab

Swing the left edge of the front panel outward, then unhook the hinge-like tabs from the holes on the right side of the front panel.
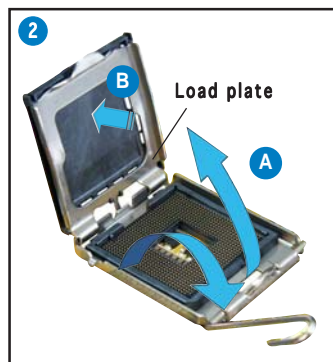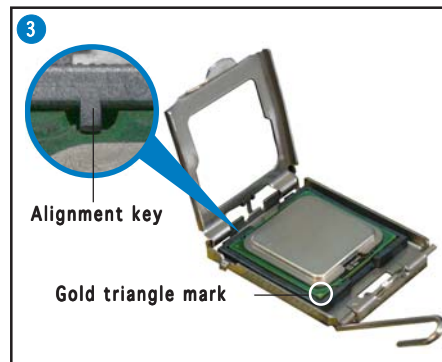
Installing a CPU

CAUTION. Incorrect installation of the CPU into the socket may bend the pins and severely damage the CPU!
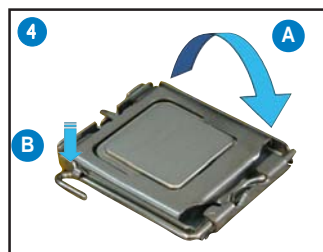

Press the load lever with your thumb (A) and move it to the left (B) until it is released from the retention tab.

Lift the load lever in the direction of the arrow to a 135° angle.Lift the load plate with your thumb and forefinger to a 100° angle (A), then push the PnP cap from the load plate window to remove (B).
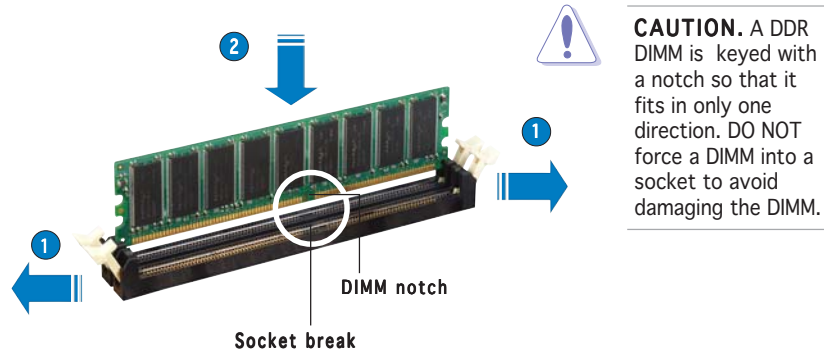
Position the CPU over the socket, making sure that the gold triangle is on the bottom-left corner of the socket. The socket alignment key should fit into the CPU notch.

Close the load plate (A), then push the load lever (B) until it snaps into the retention tab.
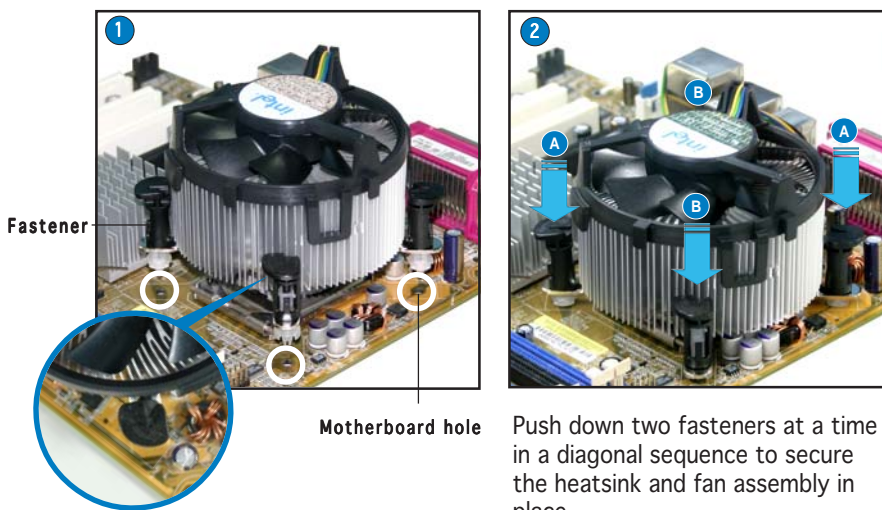
Installing system memory

DIMM notch

Socket break

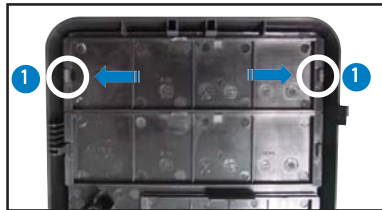## Installing the fan and heatsink assembly

NOTE. Your boxed Intel® Pentium® 4 processor package should come with installation instructions for the CPU, heatsink, and the retention mechanism. If the instructions in this section do not match the CPU documentation, follow the latter.
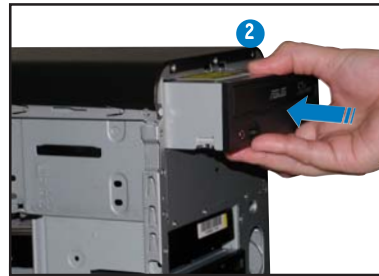

Fastener

Motherboard hole

Push down two fasteners at a time in a diagonal sequence to secure the heatsink and fan assembly in place.

Place the heatsink on top of the installed CPU, making sure that the four fasteners match the holes on the motherboard.

IMPORTANT. Do not forget to connect the CPU fan connector! Hardware monitoring errors can occur if you fail to plug this connector.

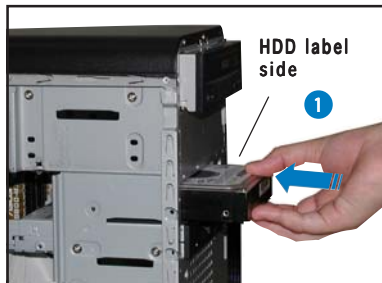# Installing an optical drive
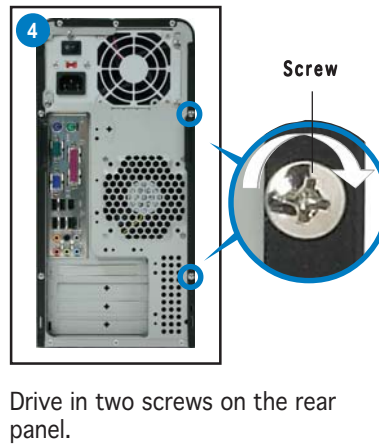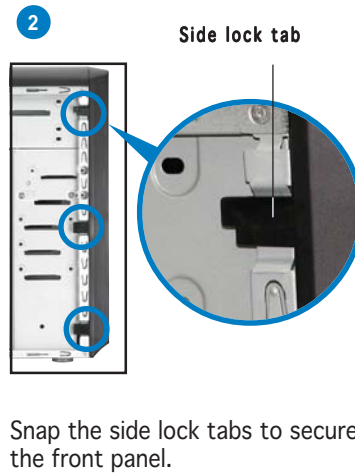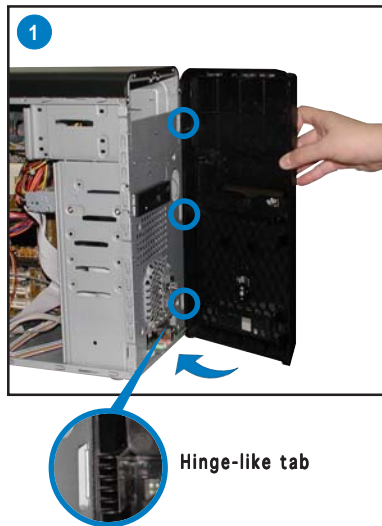

Remove the drive bay plate.

Audio cable
IDE ribbon cable
Red stripe to pin 1
Power cable

Installing a hard disk drive

HDD label
side

Primary IDE connector

IDE ribbon cable
Power cable

Connect the blue interface of the IDE ribbon cable to the primary IDE connector (blue connector labeled PRI_IDE1) on the motherboard.

Replacing the side plate and front cover

1

Hinge-like tab

2

Side lock tab

Snap the side lock tabs to secure the front panel.

3

Replace the side plate.

4

Screw

Drive in two screws on the rear panel.

IMPORTANT. Repeat steps 3 and 4 to replace the other side plate.