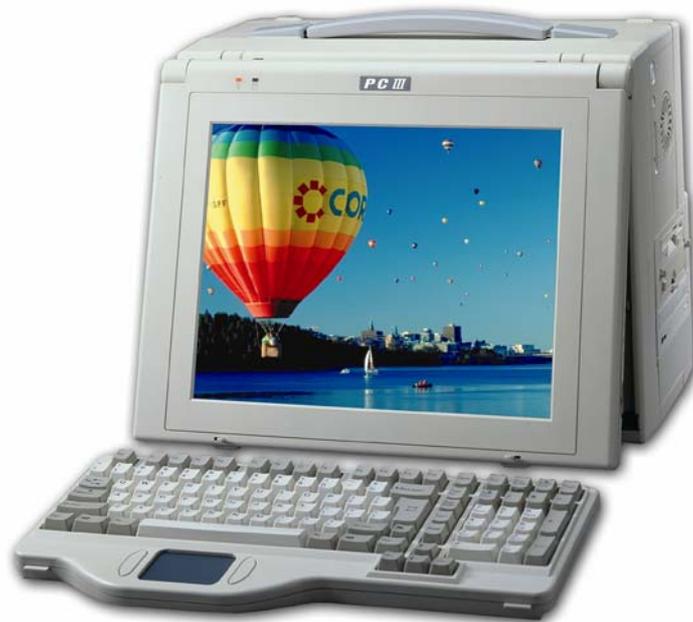


# ***PCIII***™

## **Technical Manual for Installation and Repair of Portable ATX Cases**



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## **Warning!**

### **Safety Precautions**

- Do not expose the device to rain or humidity in order to avoid risk of fire or electric shock.
- Operate the LCD only at temperatures between +10°C and +40°C.
- Repairs are only to be carried out by specialists.
- The notes and instructions at the device are to be observed.
- This device should always to be placed upon a solid horizontal surface.
- Only clean with neutral cleaning agents and a wet cloth. Do not use liquid cleaning agents or agents containing aerosols.
- Make sure that there is sufficient ventilation in order to avoid any damages due to overheating and in order to guarantee problem-free operation. Never block ventilation slots or other openings with objects and do not position the device at locations where there is not sufficient ventilation.

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Rev.1.00

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# 1. About this Manual

This manual is to facilitate a safe introduction to assembly and commissioning of the PCIII™ ATX Portable Case.

**Caution!** This manual requires basic knowledge about PCs, their design and functioning. This also applies to the operating system used. This manual, therefore does not contain any software aspects or settings.

## 2. Installation

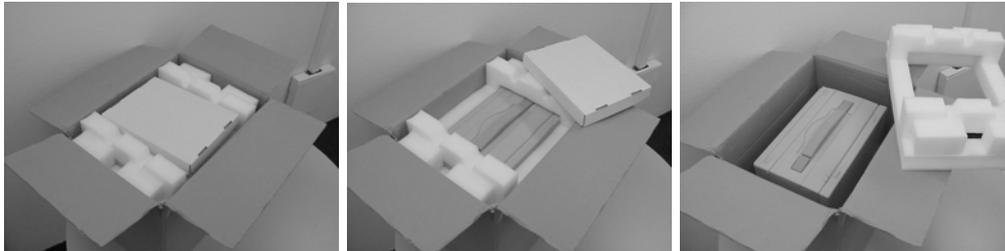
### 2.1 Unpacking of the device

The PCIII™ ATX Portable Case is packed individually in a special carton.

Before opening the package, please ensure that the exterior of the carton is undamaged and that there are no visible transport damages.

In the event of visible transport damages, please **IMMEDIATELY** advise the responsible forwarder.

Open the package at the top and remove the carton with the accessories. Now, the upper foamed mould and then the PCIII™ ATX Portable Case can be removed.



### Caution !!

**Please keep the original packaging to ensure a safe transport of the device in case of repair required.**

## 2.2 Completeness of the device

The carton should contain the following parts:

- PCIII™ ATX Portable Case
- LCD display ordered
- removable frame for HDD
- keyboard with PS/2 touchpad, incl. the country layout ordered
- ATX power supply 250W
- power cord
- VGA card (PCI or AGP)
- VGA driver CD-ROM
- ATX / AT I/O brackets
- screws
- cable for connection of LEDs
- this manual
- carrying bag

If the packaging does not contain all parts, please **IMMEDIATELY** advise the dealer from which you bought the device.

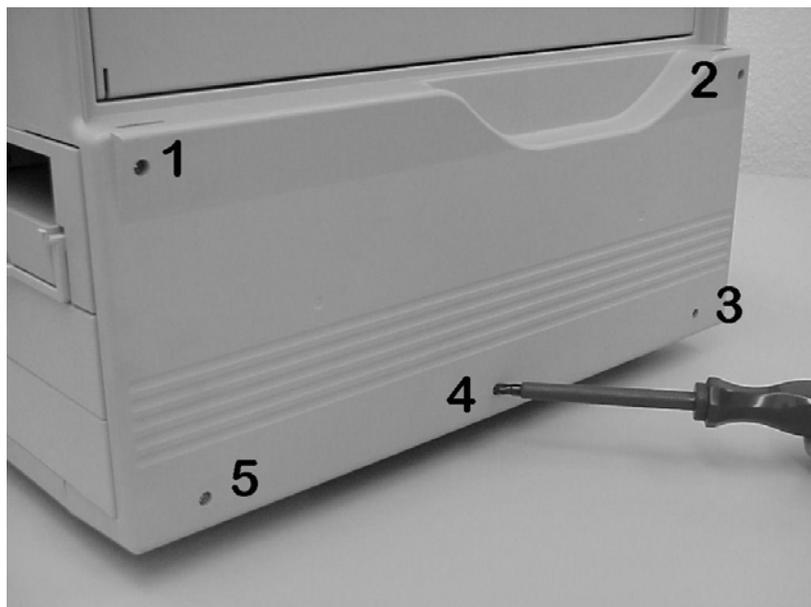
### 2.3 Opening of the case:

**Caution!!** Please ensure that the LCD display is closed before opening the case and that the locks are engaged.

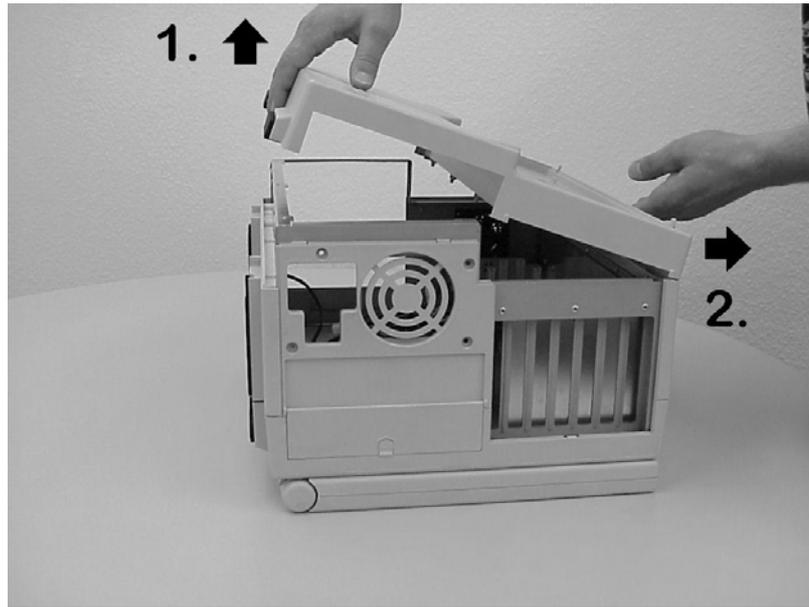
For the installation of motherboard, hard disk, floppy disk and expansion cards, the backcover of the case must be removed. First, remove the keyboard at the back. (see fig.)



Remove all 5 screws at the back (see fig.)



Remove the backcover as shown.



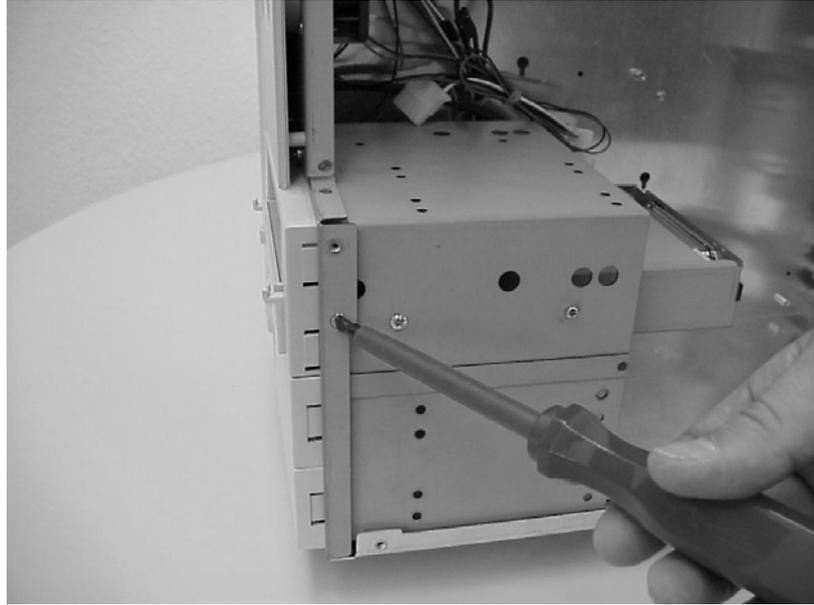
## 2.4 Preparation for installation of computer components

First, loosen the 4 screws of the AT/ATX power supply (see fig.)

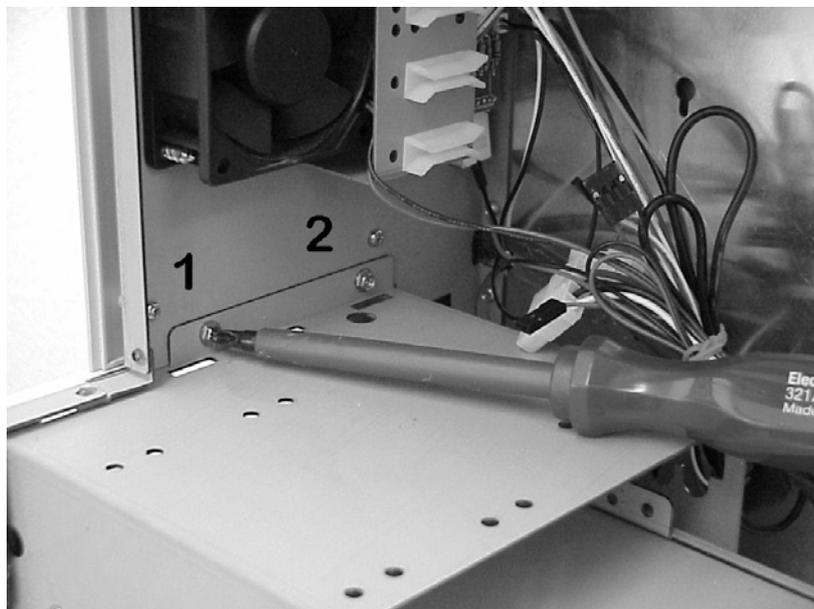


Then, remove the mounting frame for mass storage devices.

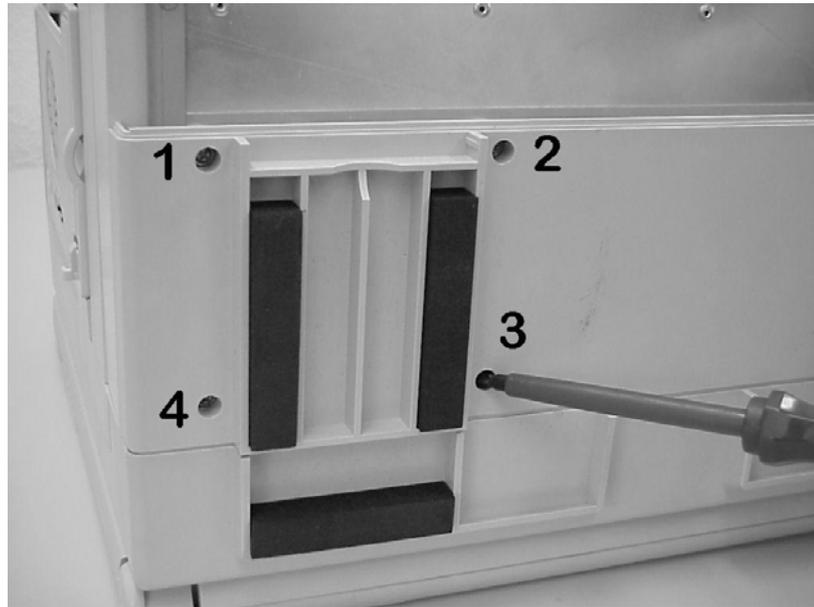
First, loosen the screw at the frame (see fig.).



Then loosen both screws on the inside (see fig.).

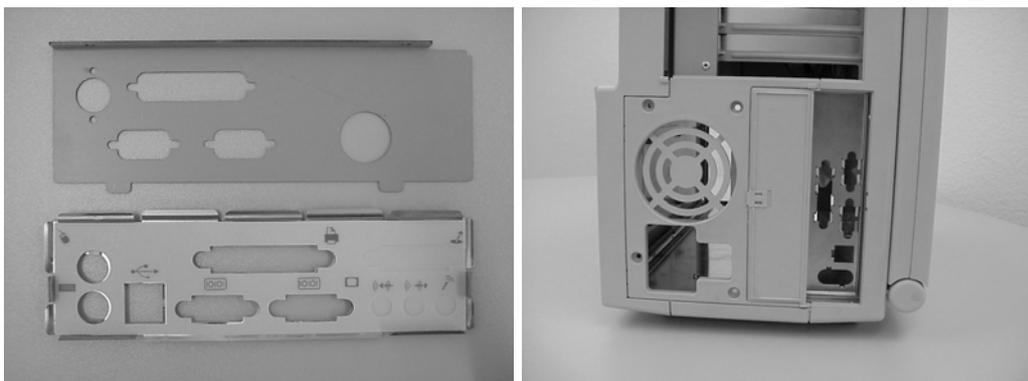


Finally, remove the 4 screws at the bottom (see fig.).

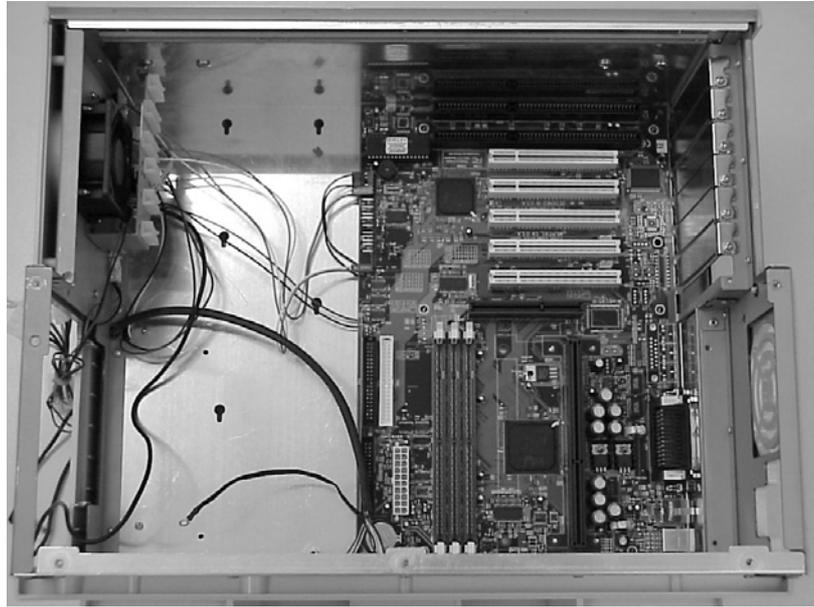


## 2.5 Installation of ATX motherboards

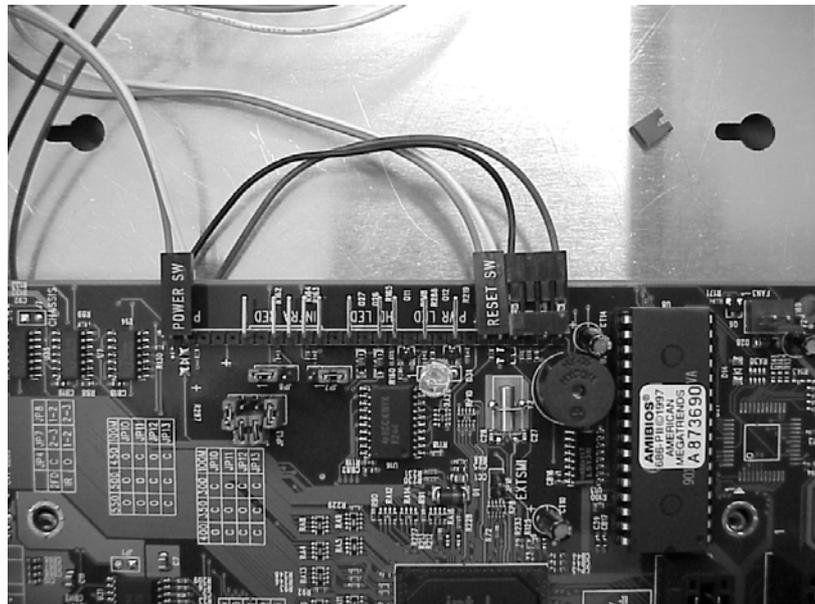
First, insert the adequate ATX I/O bracket into the case.



Now, mount the ATX motherboard into the case and fix it at the predetermined locations using the screws supplied (see fig.).

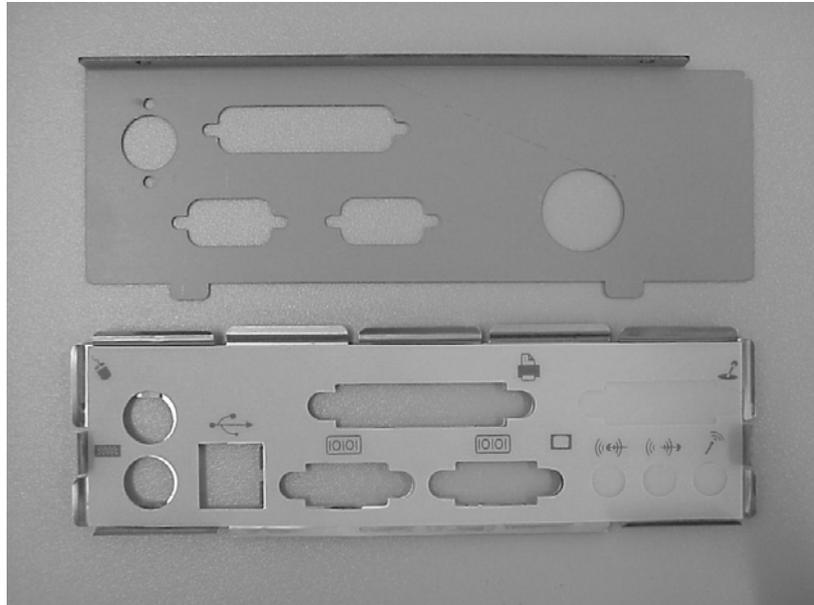


Connect the cables for reset, power, and speaker to the motherboard and sound card (see manual for motherboard).

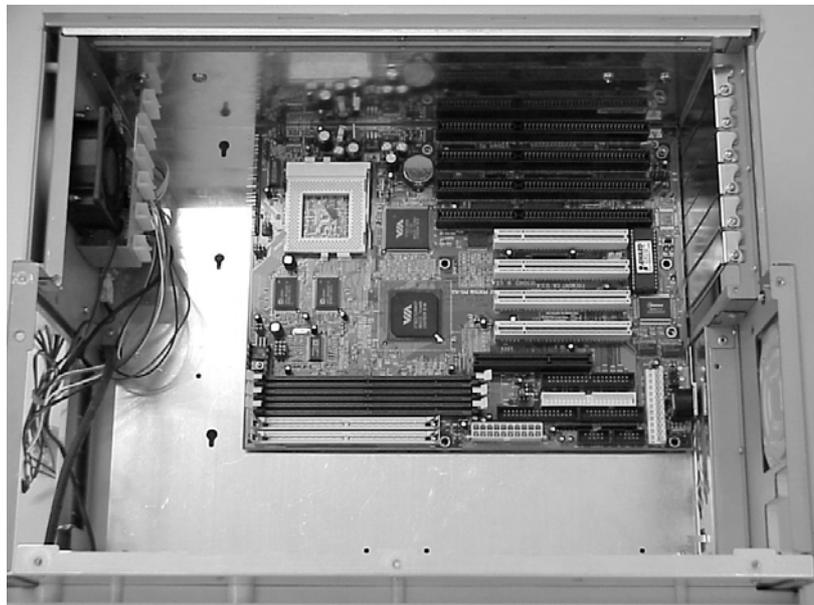


## 2.6 Installation of AT motherboards

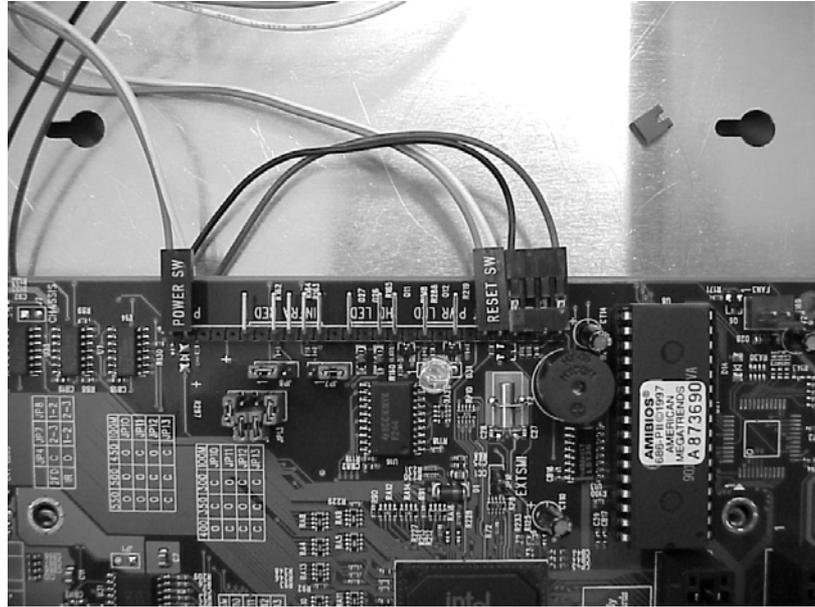
First, insert the adequate I/O bracket into the case.



Now, mount the AT motherboard into the case and fix it at the predetermined locations using the screws supplied (see fig.).



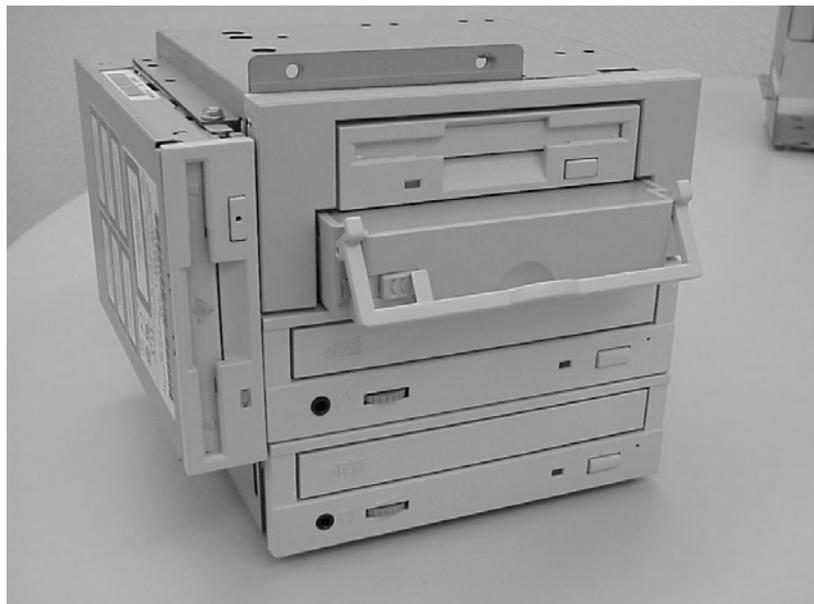
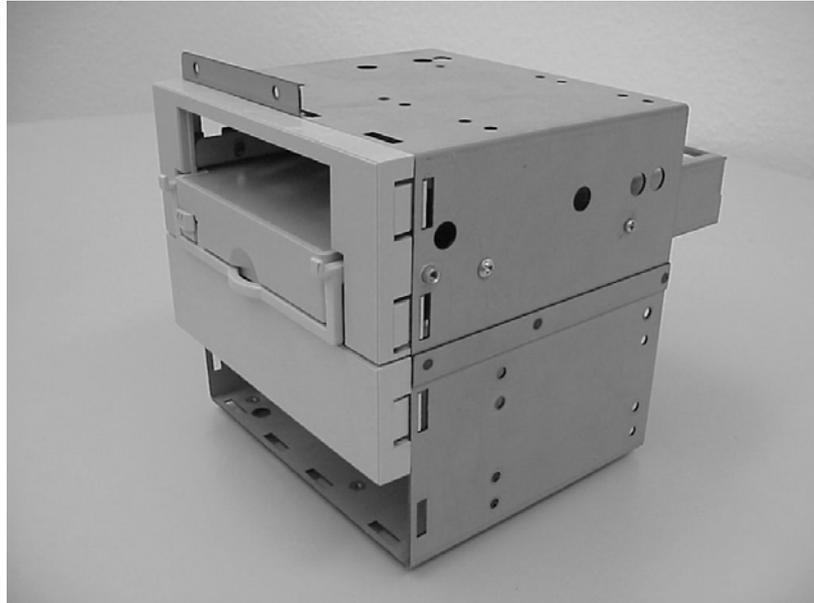
Connect the cables for reset, power, and speaker to motherboard and sound card (see manual for motherboard).



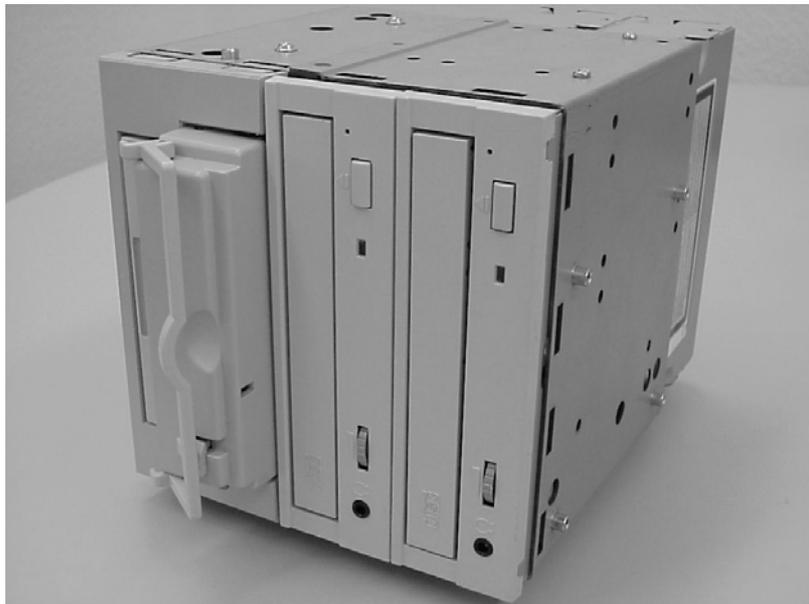
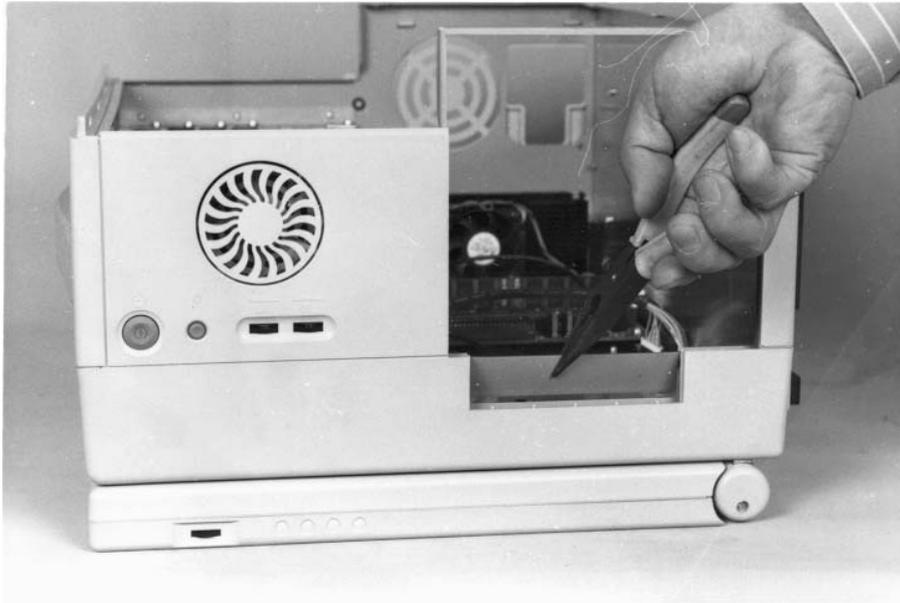
Connect the cable for serial, parallel and PS/2 interfaces to the motherboard (see manual for motherboard) and screw the cable to the AT I/O bracket.

## 2.7 Installation of mass storage devices

As a standard, the PCIII™ case is supplied with a removable frame for a Hard Disk. A max. of 2 x 5 ¼“ and 3 x 3 ½“ devices may be mounted. 2 x 5 ¼“ and 2 x 3 ½“ can be mounted either horizontally or vertically. (1 x 3 ½” is permanently vertical)



To install the third 3 ½“ drive, the metal bracket in the case’s drive compartment first has to be removed (see fig.).



### 2.7.1. Mounting of Hard Disk into the removable frame

How to take out the removable frame from the case :

- push look no. 1 to the left
- Lift up the plastic frame (no. 2 )
- Pull out the removable frame



Open removable frame by removing screws 1 and 2 on both sides (see fig.).



Mount the Hard Disks in the removable frame and connect the cables for power and data.

Tighten the fixed disc in the removable frame (see fig.).

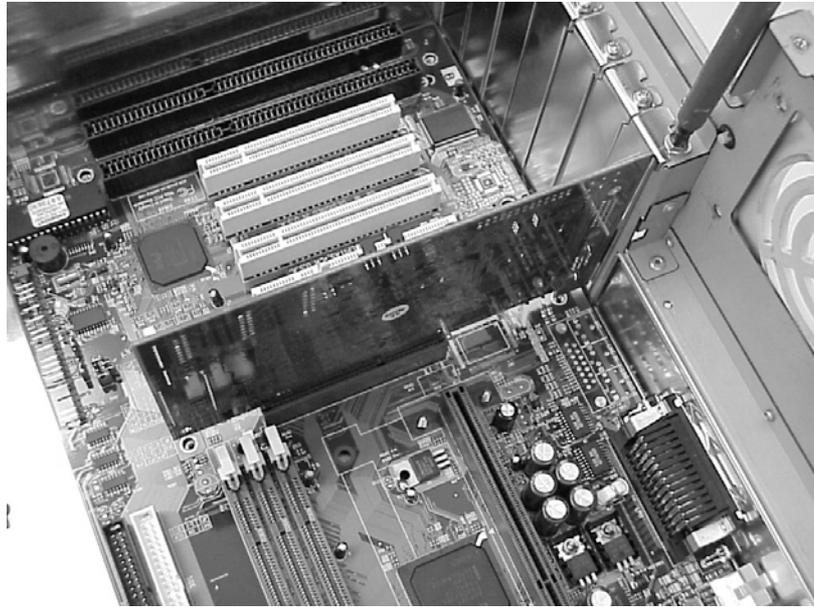


Close the frame and mount into the case.

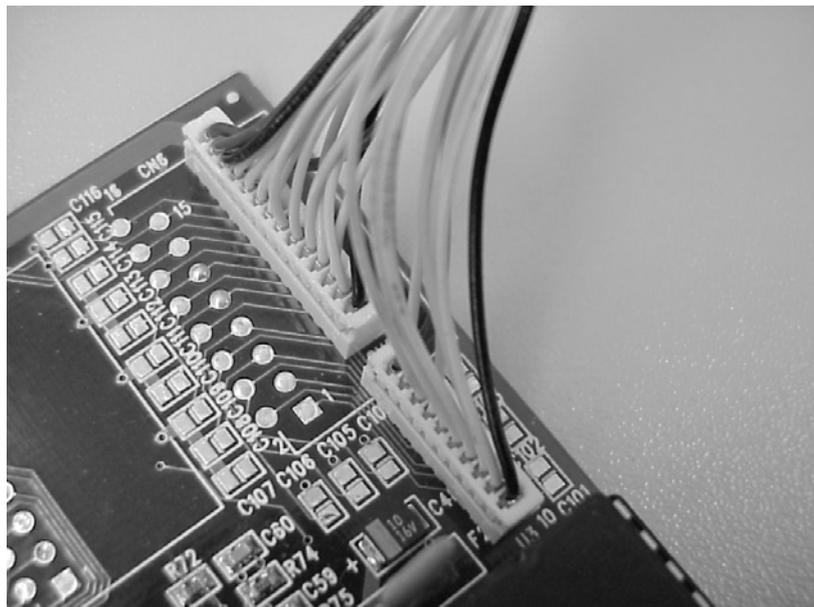
## 2.8 Connection of VGA card

Insert the VGA card supplied into the adequate slot (PCI or AGP).

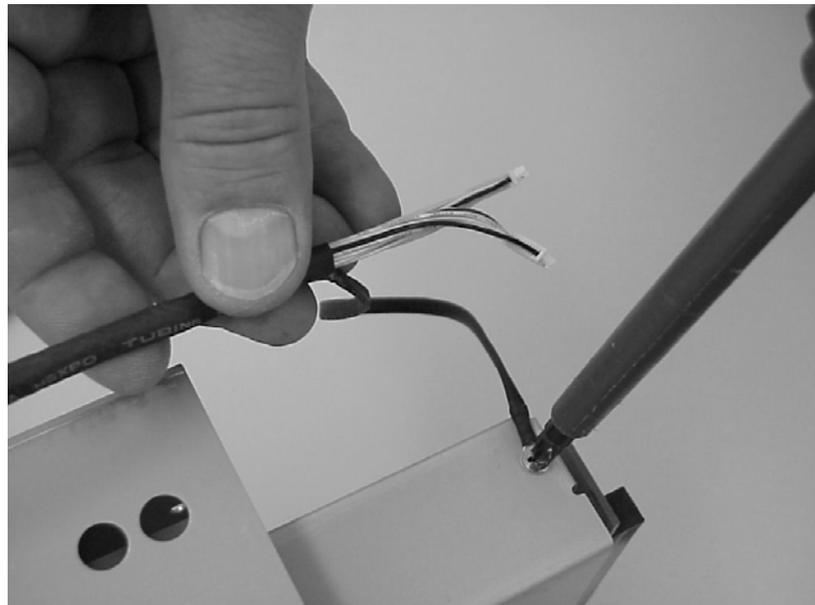
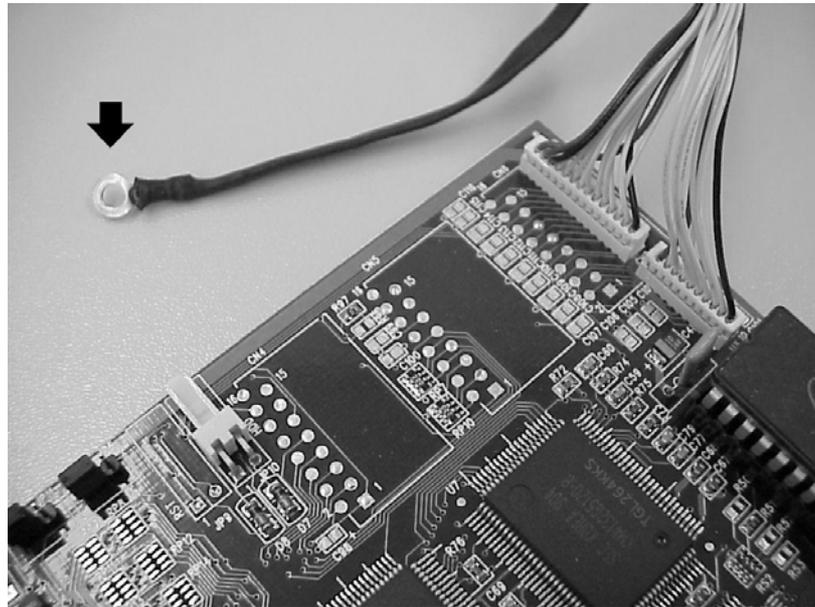
Fix the VGA card (see fig.).



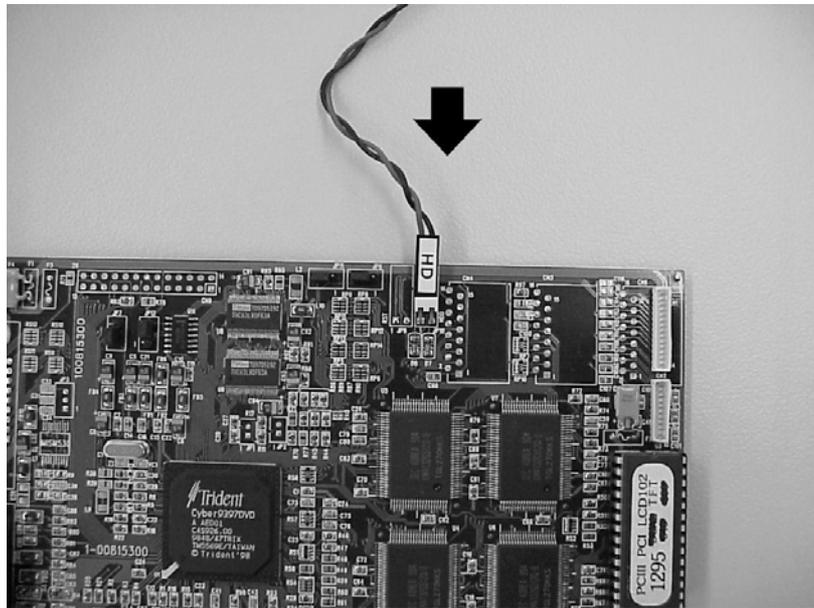
Connect the cables from the LCD display to VGA card (see fig.).



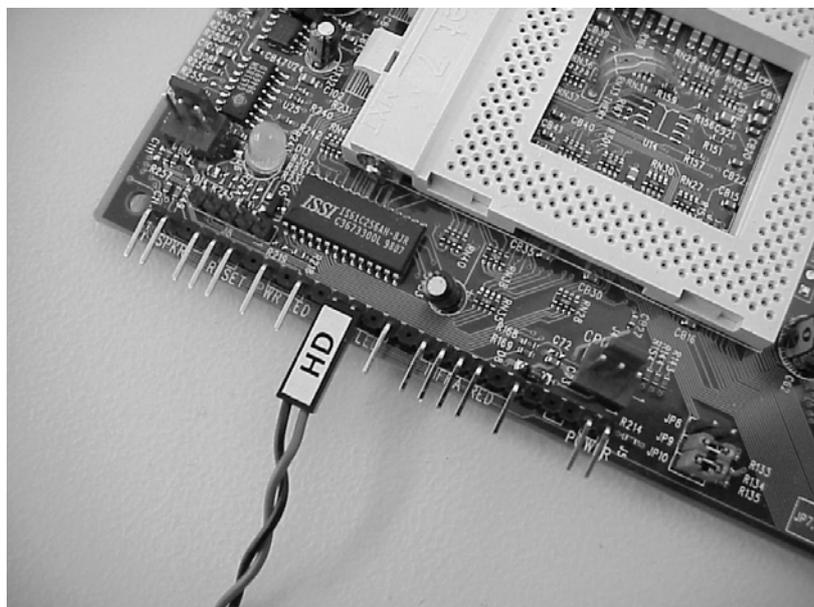
Connect the ground cable of the display cable (see fig.) to the removable HDD frame.



Connect the cable supplied for the HDD LED to the VGA card (see fig.).



Connect the other end of the cable to the PINs of the motherboard (see manual motherboard).

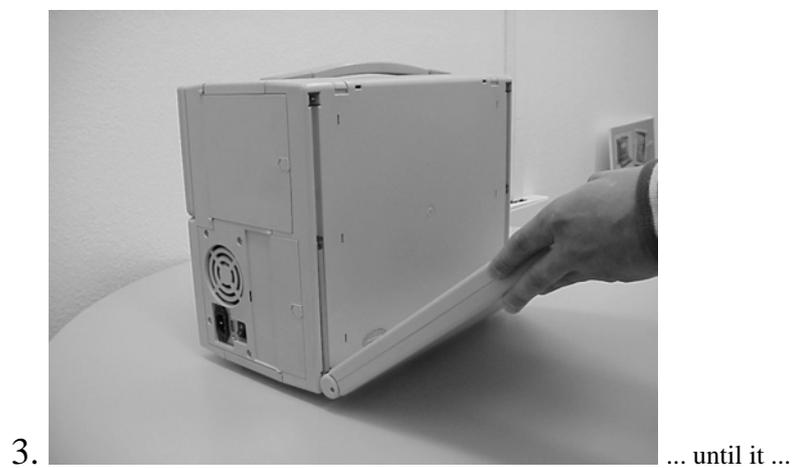
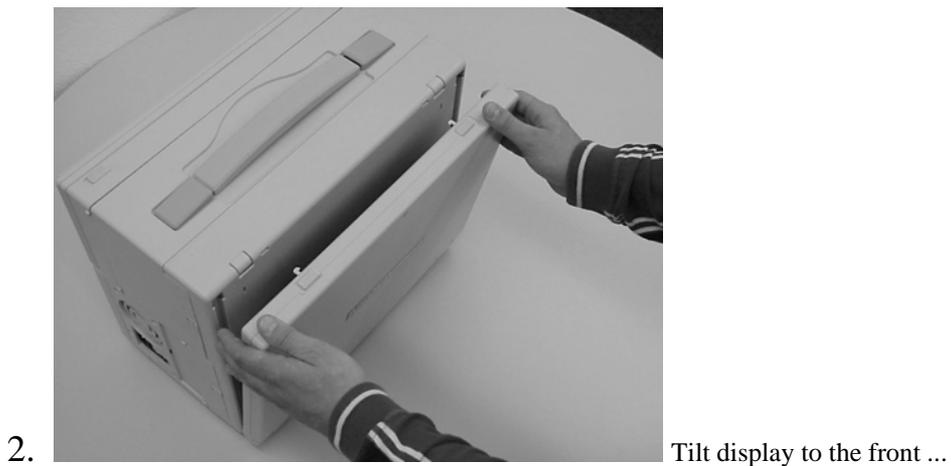


### 3. Using your PCIII ATX

#### 3.1 Opening and closing of the display

**Caution! Please read the following chapter thoroughly and try opening and closing of the display several times.**

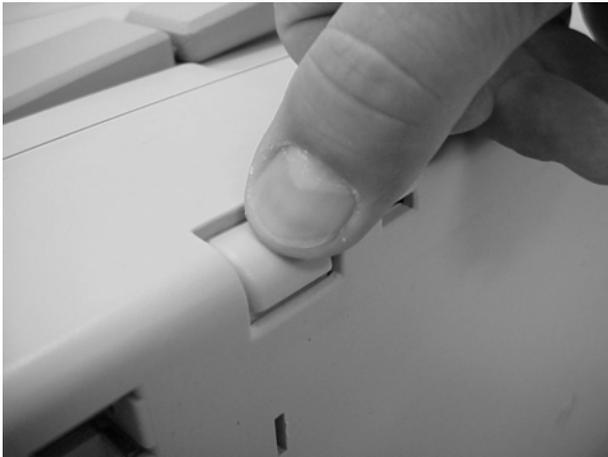
Please closely observe the steps described.





4.

... is flat on the table.



5.

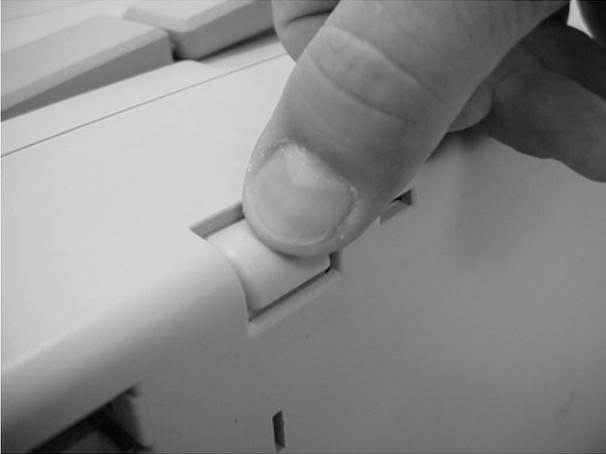
First press one lock ...



6.

... then remove the display ...

7.



... on the right and the left ...

8.

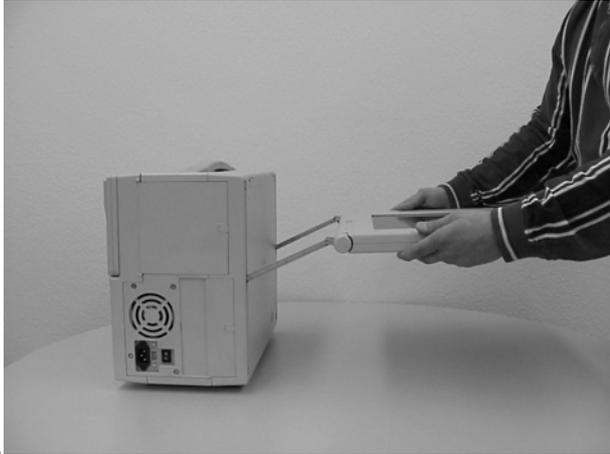


... from its ...

9.



... mounts.



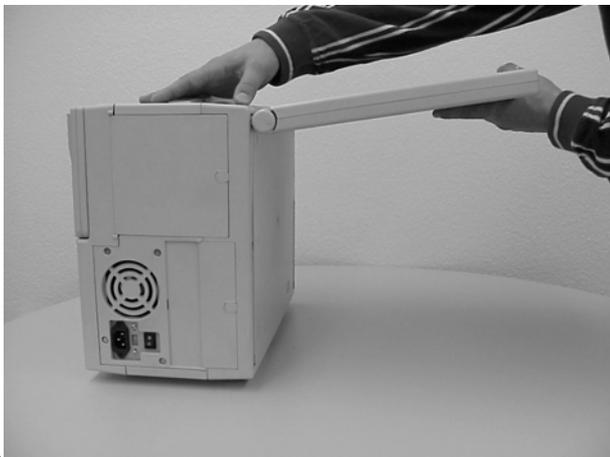
10.

Insert the display with both your hands into the upper locks.



11.

**CAUTION!** The locks on both sides must...



12.

... engage with an audible 'click' into the upper mounts.

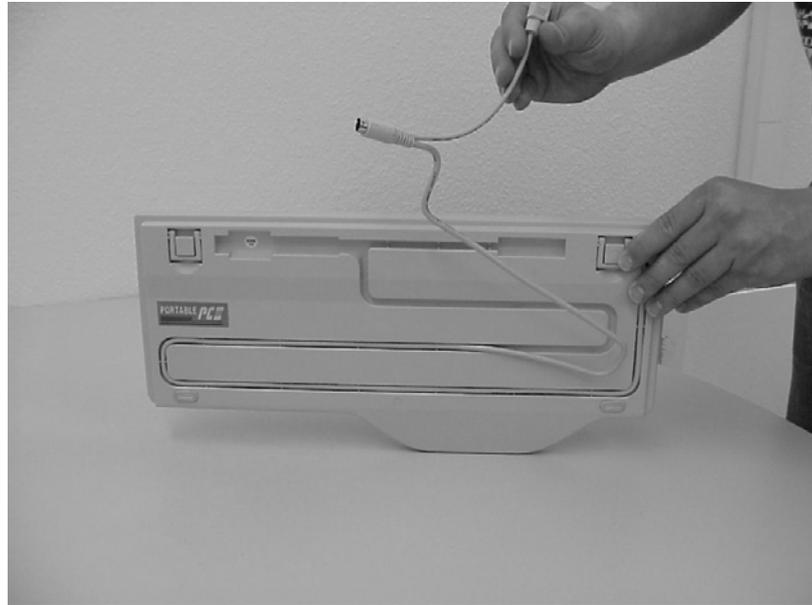


13.

Then tilt the display to the bottom.

### 3.2 Connection of the keyboard

First remove the cable completely from the compartment at the bottom of the keyboard (see fig.).



Connect the plugs for keyboard and touchpad to the motherboard (if necessary, use the adapter PS/2 → DIN supplied if an AT motherboard is used).

### 3.3 Switching on/off

#### **Caution !!**

**Please verify certainly before switching on the power supply for the first time if the voltage used in your country (110/220V) is set correctly.**

1. Switch on the main switch at the power supply (see fig.).
2. Press the on/off switch on the right side of the device (see fig.).



## 4. More information

### 4.1 Accessories compartment

There is an accessories compartment at the back of the PCIII™ Portable Case for CD-ROMs, FDDs or ZIP media (see fig.).



## 4.2 Technical data

### PCIII™ Portable ATX series

#### *Specifications case:*

- durable ABS plastic case with metal chassis
- for AT and ATX motherboards
- TFT displays from 12.1“ to 15“
- built-in multimedia speaker
- switches for brightness, power, reset, and volume
- 7 expansion slots, of which 6 with full length
- long card holder
- additional fan for air circulation „low noise“
- 2 x 5.25“ slots open horizontal or vertical
- 3 x 3.5“ slots open horizontal or vertical
- removable Hard Disk frame 3.5“ IDE
- all covers of slots and connections are retractable
- integrated compartment for CD-ROMs, FDDs, ZIP etc.
- standard ATX power supply of 250W
- weight: approx. 11 kg
- dimensions: 411 x 345 x 255 mm (w x h x d)
- colour: beige

#### *Keyboard:*

- with additional keys W95/98
- integrated PS/2 touchpad
- long keyboard cable of 1.2m
- PS/2 connector
- various language versions available

#### *Graphics board:*

- Trident Cyber 9397-DVD chipset
- PCI interface
- AGP available as option
- 8 MB video memory
- connection for CRT monitor

*Displays:*

- 12.1" TFT 800\*600 SVGA resolution, 120 cd/m<sup>2</sup>
- 13.3" TFT 1024\*768 XGA resolution, 120 cd/m<sup>2</sup>
- 14" TFT 1024\*768 XGA resolution, 200 cd/m<sup>2</sup>
- 15" TFT 1024\*768 XGA resolution, 200 cd/m<sup>2</sup>

*Accessories:*

- carrying bag
- driver + utilities CD-ROM
- manual
- AT and ATX I/O brackets
- DIN keyboard adapter