



T-1000

Book Size PC

Assembly Guide

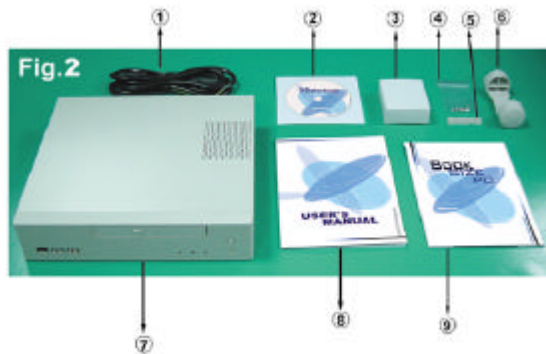
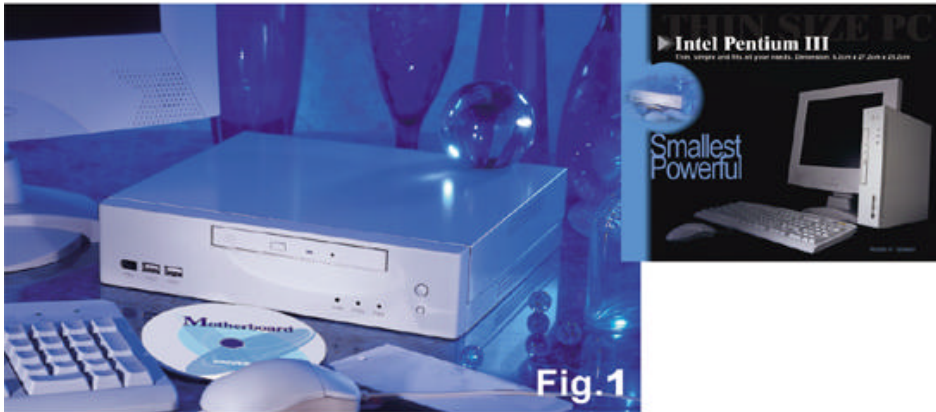
BCM Advanced Research

# Chapter 1 Introduction

The **T-1000 (Fig.1)** is a high-performance book-sized PC with the revolutionary features of small size and light weight. It not only can be used in the office, but also a great choice for SOHO users or PC players. Inside this elegant-designed case, it has a powerful motherboard that has all the functions a user needs.

This Assembly Guide will help a user understand the components of **T-1000** and lead a user to assemble the system with detailed steps and instructions.

The **T-1000** will perform perfectly once the system is assembled correctly.



1-1 Package Content (Fig.2)

- |                     |                  |
|---------------------|------------------|
| 1. Power cord       | 7 T-1000         |
| 2. CD driver        | 8 User' manual   |
| 3. CPU fan heatsink | 9 Assembly guide |
| 4. A set of screws  |                  |
| 5. Mat rubber foot  |                  |
| 6. Foot stand       |                  |

## 1-2 Description of The Structure

Specification	Description
Processor	Socket 370 for Intel Pentium II/ III, Celeron PPGA/ FCPGA processor, optimized for F.S.B 66/ 100/ 133 MHz
System memory	Support 2 banks of SDRAM up to 1GB
Hard Disk	Support Slim 2.5" HDD
Dimension	62mm(H) x 272mm(W) x 252mm(D)
Weight	3.0 ± 0.5kg
Power specification	AC100~240V(50/ 60Hz)
Power supply Spec.	DC output 150W MAX (Bona: PS001)

## 1-3 Description of The Case

### Front Panel (Fig. 3)

1. Slim CD-ROM (Optional. You can choose to install slim DVD-ROM, slim CD-RW or nothing, as you like)

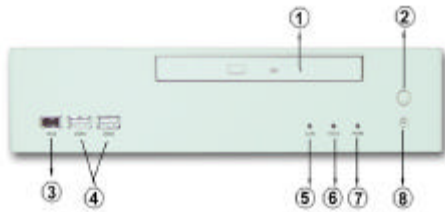


Fig.3

2. Power switch
3. 1xIEEE 1394 port
4. 2xUSB ports
5. Network LED
6. HDD LED
7. Power LED
8. Reset switch

### 1-4 Back Panel (Fig. 4)

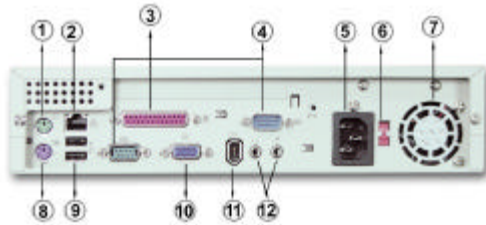
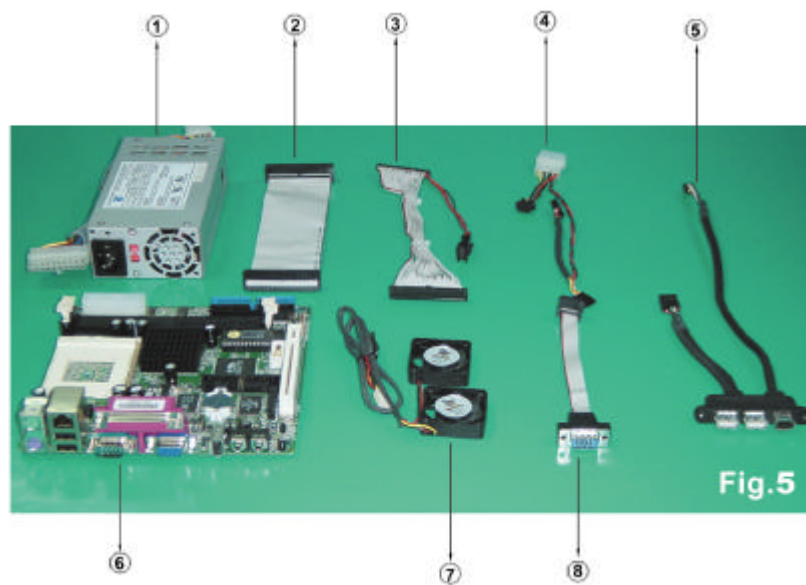


Fig.4

1. PS/2 mouse connector
2. 2 RJ45 Jack for network
3. 3-1xParallel port
4. 4 2xSerial ports
5. Power connector
6. Power voltage setting
7. Power supply
8. PS/2 keyboard connector
9. 2xUSB ports
10. VGA connector
11. 1xIEEE 1394 port
12. Audio speaker/ Line in/ Line out Jacks

## 1-5 Description of Layout and Component

### Components (Fig. 5)

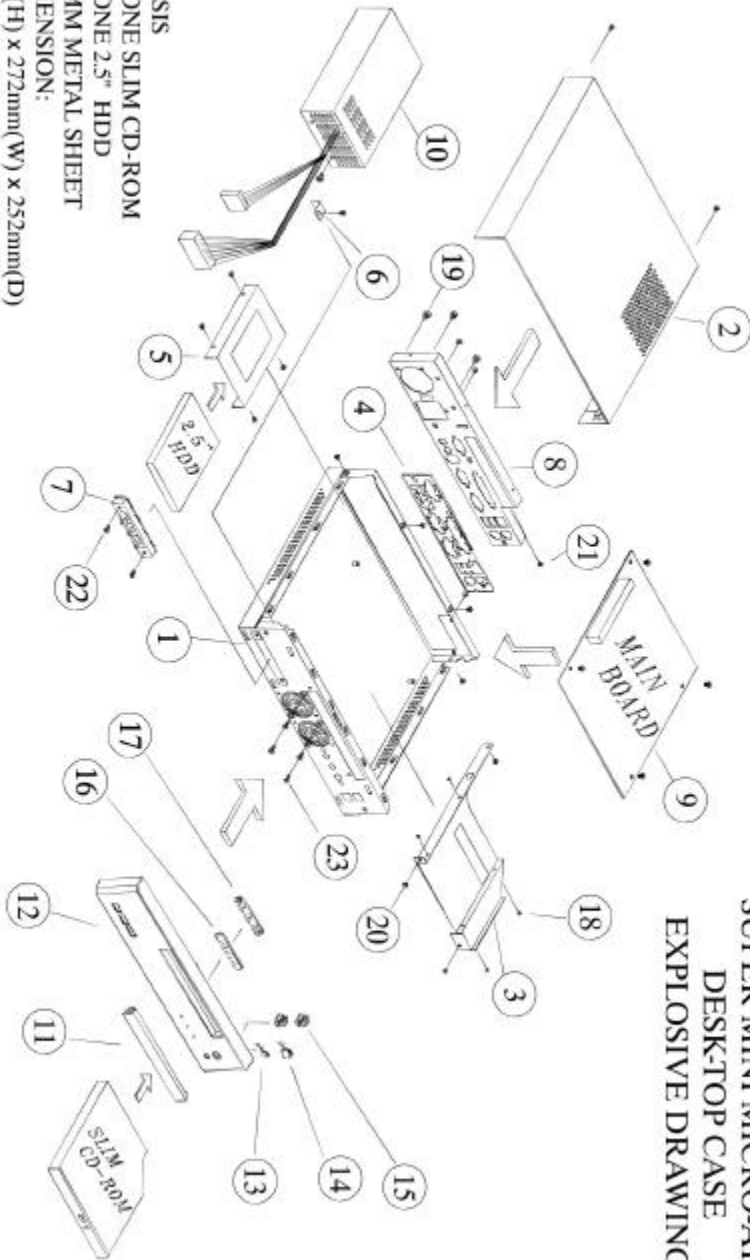


1. Power supply
2. CD-ROM cable
3. HDD cable
4. Power/ Audio cable
5. IEEE 1394+ USB cable
6. Motherboard
7. System fan
8. Serial port cable

Enlarged view of the system (Fig. 6)

(Fig. 6)

**SUPER MINI MICRO-ATX  
DESKTOP CASE  
EXPLOSIVE DRAWING**



CHASSIS  
FOR ONE SLIM CD-ROM  
FOR ONE 2.5" HDD  
\* 0.8 MM METAL SHEET  
\* DIMENSION:  
62mm(H) x 272mm(W) x 252mm(D)

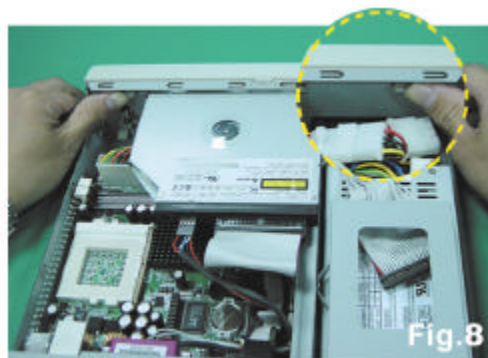
- ① CHASSIS ② TOP COVER ③ SCD BRACKET ④ I/O SHIELDING ⑤ SHDD BRACKET ⑥ POWER BRACKET
- ⑦ USB SHIELDING ⑧ BACK ⑨ MAIN BOARD ⑩ POWER SUPPLY ⑪ DOOR ⑫ FRONT PANEL ⑬ RESET SWITCH
- ⑭ POWER SWITCH ⑮ HOLDER ⑯ LED LIGHT ⑰ LAMPSTAND ⑱ SCREW S2\*3 ⑲ SCREW B/6-32
- ⑳ SCREW T/M3\*0.5 ㉑ SCREW S/M3\*0.5 ㉒ SCREW S3\*10 ㉓ SCREW T4\*10

## Chapter 2 Assembly Procedure

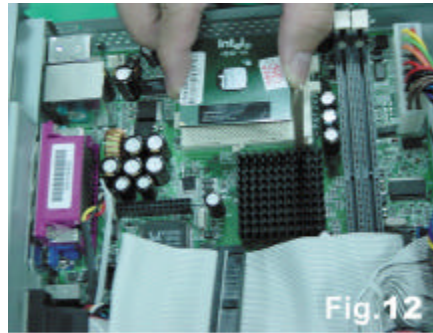
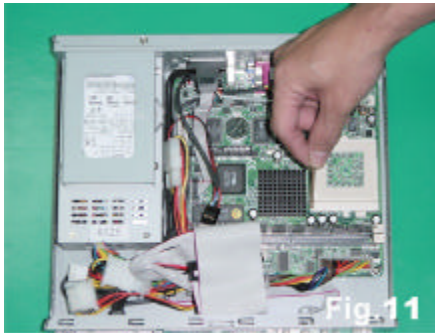
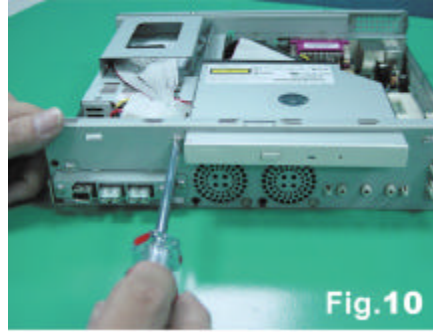
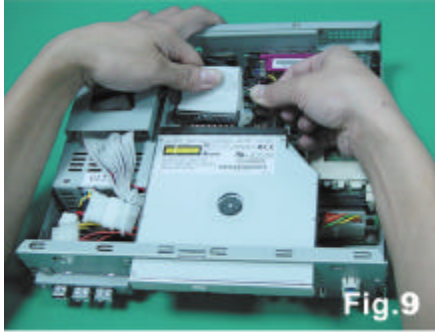
### **Attention!**

This procedure is for the users who choose the slim CD-ROM, slim CD-RW, or slim DVD-ROM as the standard equipment. If you don't want to install these disc drives as mentioned above, you can ignore the steps: 2-3, 2-4, 2-10, 2-13, and 2-14. In the following procedure, we just use the term slim CD-ROM to refer to slim CD-RW and slim DVD-ROM.

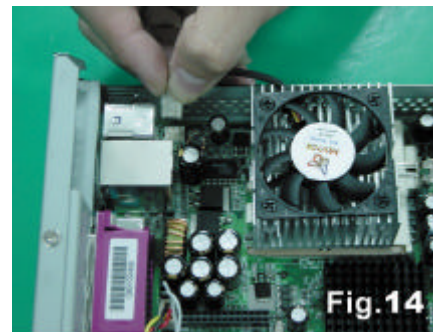
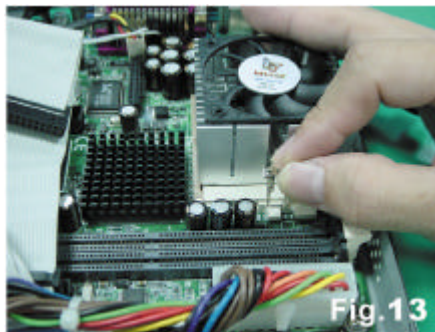
- 2-1. Loosen the screws (Fig. 7.1) and open the top-cover of the case. (Fig. 7.2)
- 2-2. Remove the front panel. (Fig. 8)

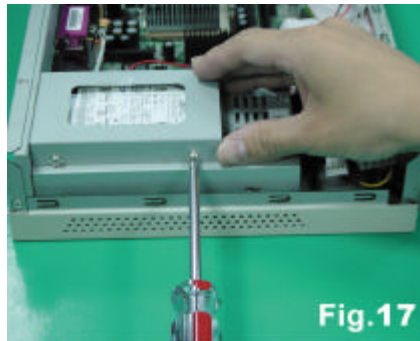
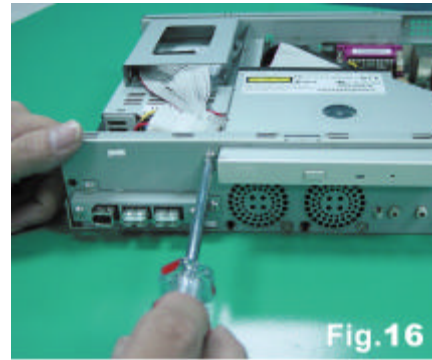
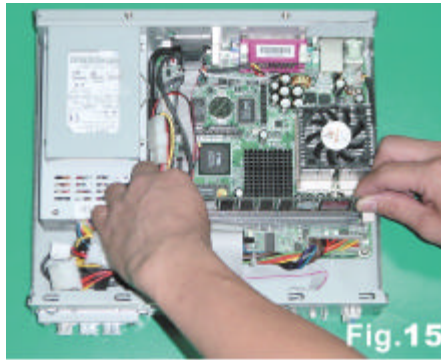


- 2-3. Remove the CD-ROM cable and the power cable of the slim CD-ROM. (Fig. 9)
- 2-4. Loosen the screws of the CD-ROM bracket and remove this bracket and the slim CD-ROM. (Fig. 10)
- 2-5. Open the handle of the 370-pin socket. (Fig. 11)
- 2-6. Insert the CPU into the 370-pin socket with the correct orientation and close the handle. (Fig. 12)



- 2-7 Squeeze a small amount of grease on the chip of the CPU and place the CPU fan heatsink on the CPU aligning it with the socket base. Later, attach the fan heatsink clip to the socket. (Fig. 13)
- 2-8 Install the fan heatsink cable header to the motherboard connector. (Fig. 14)
- 2-9 Install the SDRAM modules into the DIMM socket. (Fig. 15)
- 2-10 Screw the CD-ROM bracket along with the slim CD-ROM into the exact position where you remove it. (Fig. 16)





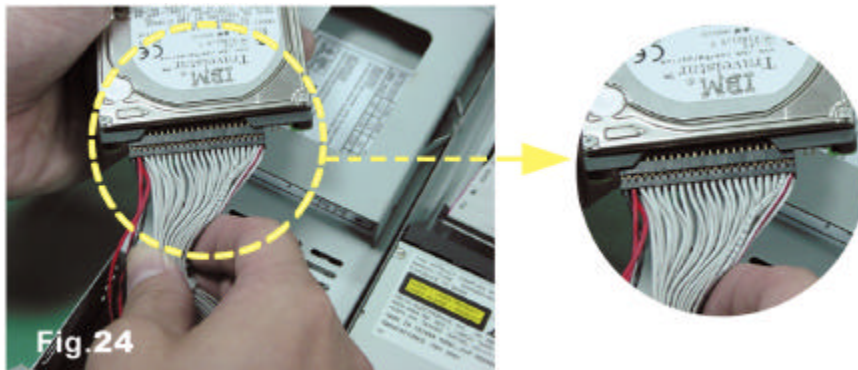
- 2-11 Screw the slim HDD into the hard disk drive bracket. (Fig. 17)
- 2-12 Connect the 44-pin IDE Cable to the HDD connector with the correct orientation. (Fig. 18)
- 2-13 Align the 40-pin IDE cable with the CD-ROM adapter by the mark and connect them tightly. (Fig. 19)
- 2-14 Connect the 8-pin power cable of the slim CD-ROM. (Fig. 20)
- 2-15 Close the front panel. (Fig. 21)
- 2-16 Close the top-cover of the case (Fig. 22.1) and screw it. (Fig. 22.2)
- 2-17 Check the voltage setting of the power supply. (Fig. 23)





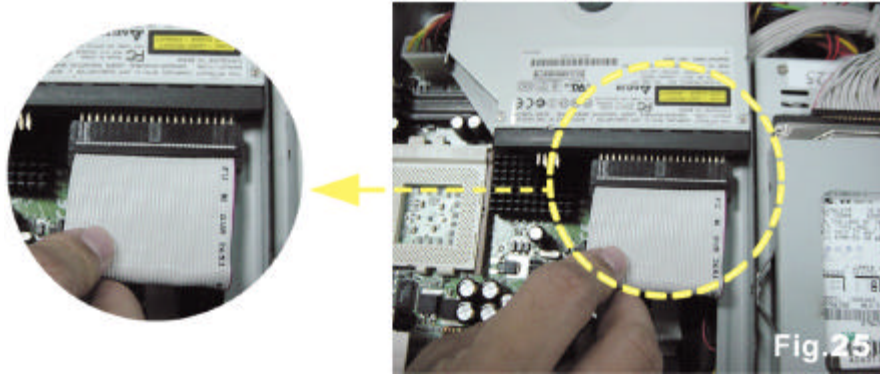
## Chapter 3 Important Notes

- 3-1. When you connect the HDD cable, please check if the orientation is correct. There is a closed pin on the cable preventing the wrong installation, which means that you will not be able to connect the IDE cable to the slim HDD with the wrong orientation. (Fig. 24)

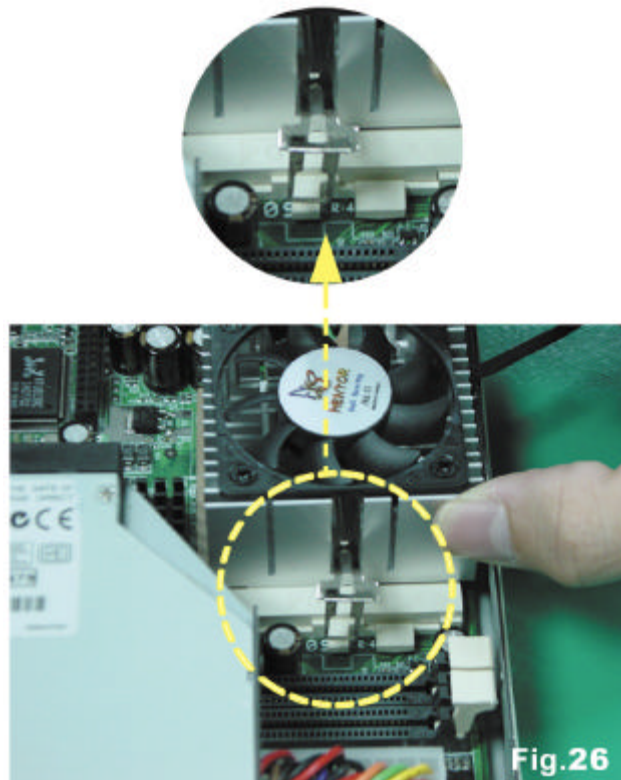


- 3-2. Please check if the connecting orientation of the CD-ROM cable is correct.

You may connect them with the wrong orientation; hence the slim CD-ROM will not work. The mark is to help you tell which orientation is correct. (Fig. 25)



- 3-3. It is very important to align the CPU fan heatsink with the socket base. You should check the installing orientation of the CPU fan heatsink; otherwise it will not be possible to attach the clip to the socket. Please remember to attach the clip tightly. Proper installation will prevent overheating and ensure correct CPU operation. (Fig. 26) For further information, you can read the Installation Manual provided by the CPU manufacturer.



3-4. Please remember to adjust the voltage setting of the power supply, according to the local voltage, before turning on the system power.

The wrong voltage setting may cause damage to T-1000. (Fig. 27)

3-5. Please check if the connecting orientation of the 8-pin CD-ROM power cable is correct. There is a closed pin preventing the wrong installation. (Fig. 28)

