

## Disassemble Process: TTL TEKNOSLIM

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4. RAEE\ WEEE

### 1. Model.

The following process is applied for the product TTL TEKNOSLIM.

Fig. 1:



Fig. 2:



For this model fig.1, we need only two tools:

Use the following tools:

- Screwdriver Philips 0x65, fig.2.
- Screwdriver Philips PZ2, fig.2.
- Electrician scissors, fig. 2.

## 2. Result after disassembling all

After we have disassembled the product, fig.3a and fig.3b.

Fig. 3a:



Fig. 3b:



This is the list of the disassembling parts. The numbers in red meets the list.

1 Case.	Metal	14 Fan.	Metal/Plastic.
2 Cover Top	Metal	15 Motherboard.	Printed Circuit.
3 Front Bezel.	Plastics	16 Memory Card.	Printed Circuit.
4 Front 3,5"	Plastics	17 CPU.	Metal.
5 Front 5,4".	Plastics	18 CPU fan.	Metal/Plastic.
6 Hdd bottom fastener.	Plastics	19 CPU Heat Sink.	Metal.
7 Hdd and Fan lock.	Plastics	20 Lamination Plate.	Metal.
8 Hand Close.	Plastics	21 None.	None.
9 Power Cord.	Metal/Plastic.	22 Power Supply: Case.	Metal.
10 Usb internal wires.	Metal/Plastic.	23 Power Supply: Fan.	Metal/Plastic.
11 Led internal wires	Metal/Plastic.	24 Power Supply: wires.	Metal/Plastic.
12 Led Holders	Plastics	25 Power Supply: Motherboard.	Printed Circuit.
13 USB Printed circuit.	Printed Circuit.	26 COIN Battery Cell.	Metal.

### 3. Process step by step.

#### 3.0 Unplug the Power Cord by Hand.

The Power Cord must take out by hand. Just pull out, in the TecknoSlim rear, fig. 4. The details of their certifications on fig.5.

Fig. 4.



Fig. 5:



#### 3.1 Covers Top.

Use the Screwdriver to take out all the screws in the rear, fig.6.

Use the hand to open the lock of the right case fig.7.

Fig. 6



Fig. 7:



### 3.2 Hand Close and Bracket hand Close

The Hand close is the lock of one of the Covers. We need to use the screwdriver to unfix the complete piece and then we can separate the plastic component from the metal one.



### 3.3 Motherboard and Coin Cell Battery.

With screwdriver, take out the screws that fix the motherboard to the Case, fig 11. Unplug by hand all the wires connected to it fig. 10. Lift using the hand the Motherboard up to reach the angle enough to pull out and pull up, fig. 12.

Fig. 10:



Fig. 11:



Fig. 12:

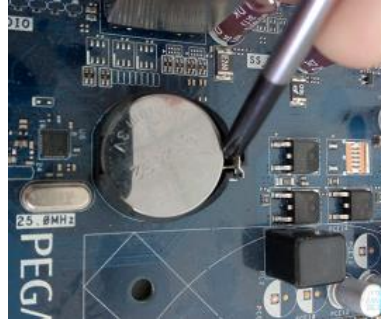


Fig.13:





To pull out the Button battery, use for this the screwdriver, pushing and pulling.



### 3.4 CPU FAN and CPU Heat Sink

Use the hand to turn right the four plastic screws of the fan fig. 14. Then pull out.

Use the hand to bend the two taps of the plastic fan and take out heat sink fig. 16.

Fig.14:

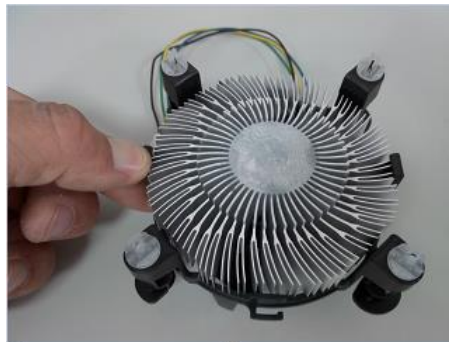
Fig. 15:



Fig. 16:



Fig. 17:



### 3.5 CPU and Memory Card.

These are the last components that can be extracted from the motherboard. It requires a special care to handle them.

The CPU as a protection which must be lifted to take out the unit. To do this, look at the figure 18, we must press on the clip and then while it is pressed move it outward and release the pressure. The cpu can be extracted with the fingers fig. 19.

The memory card is inserted in its slot and retained with some clips. Use the hands to open the clips and lift the memory card until it reaches the enough angle to pull out from the slot fig.21.

Fig. 18

Fig. 19



Fig. 20 :

Fig. 21:



### 3.6 Lamination Plate

This piece is in one side of the case. It is the place where the motherboard shows its external connections. It can be extracted just pushing with fingers, fig. 22.

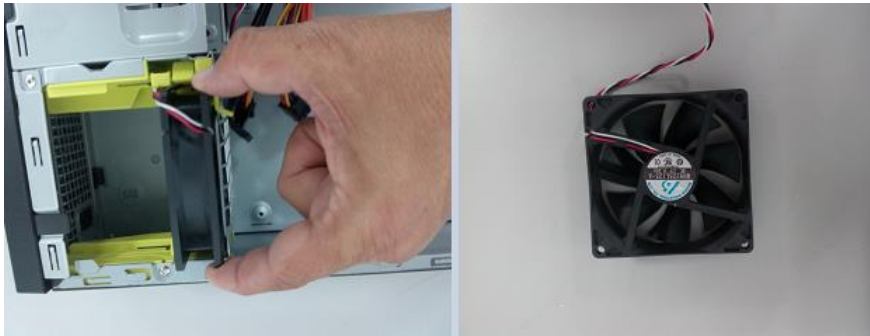
Fig. 22:



### 3.7 FAN

Use the hands to pull out from the fan, fig.23.

Fig. 23:



### 3.8 Front Bezel, Front 3.5", Front 5.4"

These plastics pieces can be take out just using the hands. Look at the following figures which show how to do. Just use the fingers to bend the fix taps fig. 24

Fig. 24



Front Bezel, Front 3.5", Front 5.4"





### 3.9 Hdd bottom fastener

These plastics pieces can be take out just using the hands. Look at the following figures which show how to do, fig 25.

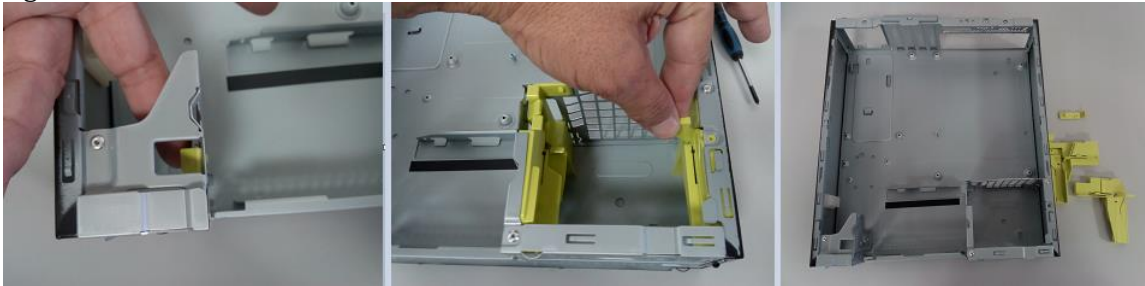
Fig. 25:



### 3.10 Hdd and FAN lock.

These plastics pieces can be take out just using the hands. Look at the following figures which show how to do, fig. 26.

Fig. 26:



### 3.11 USB and LED disassembling

In the front of the metal case is the usb panel. This panel must be unfixed from the metal, unscrewing two screws fig. 27.

For the Led holder just applying a torque will be release fig. 28. After that we must unscrew two fixes to separate the metal bracket fig. 29.

Fig. 27

Fig. 28

Fig. 29





For the usb wires we must use the scissors to cut the wires see the fig.30  
Fig. 30



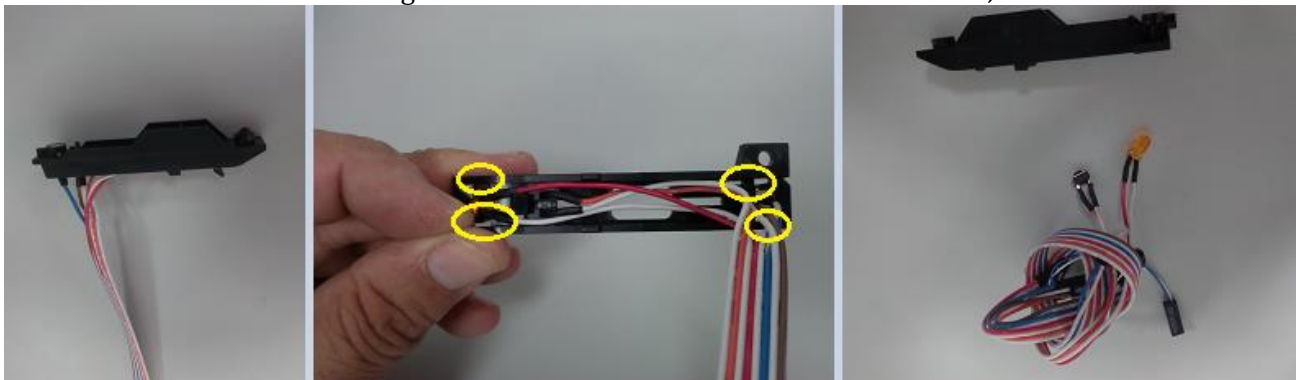
usb internal wires

Usb printed circuit

The Led holder and its wires can be separated. To do that we must open the taps with fingers and pull from the wires, fig. 31

Fig.31:

Led Holder, Led wires



### 3.12 Power Supply disassembling

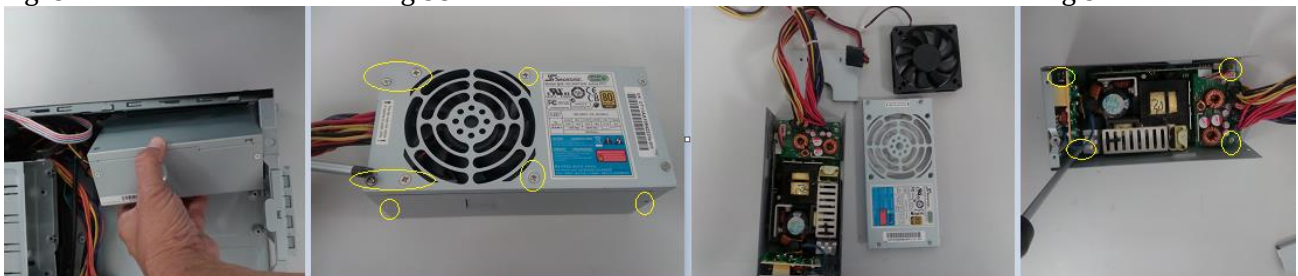
To take out the Power Supply from the case just pull and turn by hand the piece up to it can be extracted, fig. 32.

Unscrew all the screw which are shown in the fig. 33 and fig.34.

Fig. 32

Fig.33

Fig.34



Use the scissors to cut the wires, fig. 34 y fig. 35.

Fig. 34



Fig. 35



Case, fan, wires, motherboard



#### 4 RAAE\WEEE.

The composition of the elements must be taken account if they are going to be reused o recycled.  
To know that information visit the following URL:

[http://tiendattl.es/upload/tkslim/Weee\\_declaration.tkslim.pdf](http://tiendattl.es/upload/tkslim/Weee_declaration.tkslim.pdf)