

# Product Disassembly Instructions

**Product Category:****Panel PC****Product Marketing Name / Model:****PPC-3180SW**

**Purpose:** The document provides the basic instructions for the disassembly of products to remove components and materials requiring selective treatment, as defined by EU directive 2002/96/EC and 2012/19/EU, Waste Electrical and Electronic Equipment (WEEE).

## 1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment.









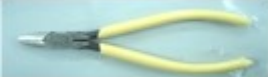



| Item Description                                                                         | Notes                                                                                                                             | Quantity of items included in product |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)                         | With a surface greater than 10 sq. cm Mother board, Card Reader board, USB Daughter board, LID Daughter board                     | 7                                     |
| Batteries                                                                                | All types including standard alkaline and lithium coin or button style batteries 6cell battery or 9 cell battery, and RTC battery | 1                                     |
| External electrical cables and Power cord                                                |                                                                                                                                   | 0                                     |
| Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm                      | Includes background illuminated displays with gas discharge lamps                                                                 | 1                                     |
| Cathode Ray Tubes (CRT)                                                                  |                                                                                                                                   | 0                                     |
| Gas Discharge Lamps                                                                      |                                                                                                                                   | 0                                     |
| Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height |                                                                                                                                   | 0                                     |

| Item Description                         | Notes                                                                                 | Quantity of items included in product |
|------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------|
| Mercury-containing components            | For example, mercury in lamps, display backlights, scanner lamps, switches, batteries | 0                                     |
| Capacitors / condensers (Containing PCB) |                                                                                       | 0                                     |

|                                                                                                          |                                                                                  |   |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---|
| Plastics containing Brominated Flame Retardants weighing > 25 grams                                      | (Not including PCBs or PCAs already listed as a separate item above)             | 0 |
| Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste) and toner     | Include the cartridges, print heads, tubes, vent chambers, and service stations. | 0 |
| Asbestos waste and components which contain asbestos                                                     |                                                                                  | 0 |
| Components containing refractory ceramic fibers                                                          |                                                                                  | 0 |
| Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons(HFC), hydrocarbons (HC) |                                                                                  | 0 |
| Components, parts and materials containing radioactive substances                                        |                                                                                  | 0 |

## 2.0 Disassembly Tool

List the tools that would typically be used to disassemble the product to a point where components and materials can be removed.

| Disassembly Tool | Picture                                                                                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Screwdriver      |   |
| Lever            |   |
| Star Screwdriver |   |
| Hexagon Driver   |   |
| Slanted pliers   |                                                                                   |
| Pliers           |                                                                                  |
| Hammer           |                                                                                  |
| Knife            |                                                                                  |

### **3.0 Product Disassembly Process**

3.1 List the basic steps that should typically be followed to remove components and materials.

#### **A. Disassembly Box module.**

- A-1. Disassembly 9 pcs screw to remove the MB cover.
- A-2. Disassembly 2pcs antenna rubber cap from MB cover.
- A-3. Disassembly 4 pcs screw to separate the HDD/SSD and HDD/SSD bracket.
- A-4. Disassembly 4 pcs screw to remove the HDD/SSD tray from middle cover.
- A-5. Disassembly 2 pcs screw to remove the antenna bracket from middle cover.
- A-6. Disassembly DDR module from DDR socket.
- A-7. Disassembly mSATA card(2pcs screw) and Mini PCIe card(2pcs screw) from each socket.
- A-8. Remove RTC battery wire cable.
- A-9. Disassembly Hex 2pcs from COM port, screw 7pcs from mother board to separate the mother board and chassis.
- A-10. Disassembly 3pcs screw to remove IO Bracket.
- A-11. Disassembly 1 pcs screw to remove Line out Cable.
- A-12. Disassembly Hex 2 pcs screw to remove DB9 Cable.

#### **B. Disassembly Panel module.**

- B-1. Disassembly screw 10pcs to remove the middle cover.
- B-2. Disassembly screw 4pcs to remove the Speaker module.
- B-3. Disassembly screw 2pcs to remove the Touch control board.
- B-4. Disassembly Hex 2pcs to separate the Touch control board bracket.
- B-5. Disassembly screw 3pcs to remove LCD bracket down.
- B-6. Disassembly screw 6pcs to remove the LED sub-assembly from Front Bezel.
- B-7. Disassembly screw 4pcs to separate the LCD bracket left and right with LCD module.
- B-8. Separate the LCD sponge from LCD opening bezel.
- B-9. Disassembly screw 1pcs to remove the LED indicator board.
- B-10. Remove the waterproof from front bezel.

3.2 Exploded view drawing. Insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).

