

Product Disassembly Instructions

Product Category:

Panel PC

Product Marketing Name / Model:

SPC-815/SPC-815-633A/SPC-815-633AG/SPC-815-633AP/SPC-815-653A/SPC-815-653AG/SPC-815-653AP/ SPC-815-673A/SPC-815-673AG/SPC-815-673AP
SPC-821/SPC-821-633A/SPC-821-633AG/SPC-821-633AP/SPC-821-653A/SPC-821-653AG/SPC-821-653AP/ SPC-821-673A/SPC-821-673AG/SPC-821-673AP

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	BOM Detail	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	98935272710 (I3 M/B) 9893PW0802E (Power Board) 9693PH2302E (PH-23 USB HUB BOARD) TCB156PMH0-EH8411 (EETI Controller)	4
Batteries	All types including standard alkaline and lithium coin or button style batteries 6cell battery or 9 cell battery, and RTC battery	1760000897-11 (BATTERY 3V/200 mAh W/CABLE BR2032 W/C)	1
External electrical cables and Power cord		1703011001-11 (Grounding)	1
Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm	Includes background illuminated displays with gas discharge lamps	96LEDK-A156HD40NA1 96LEDK-A215FH25NF6	1

Cathode Ray Tubes (CRT)		N/A	0
Gas Discharge Lamps		N/A	0
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		N/A	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	
Others	

3.0 Product Disassembly Process

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

A. Disassemble product and separate it to 3 main modules.

A-1. Release 4 pcs of screw to take off Back Module.

A-2. Release 12 pcs of screw to remove OP module.

A-3. Release 2 pcs of screw to remove USB module PCBA.

B. Disassemble Back Cover Module

B-1. Release 6 pcs. of screw to remove IO Cover.

B-2. Release 4 pcs. of screw to remove IO Gate Shield MYLAR.

C. Disassemble Panel Module

C-1. Release 6 pcs of screw to remove Heatsink Block.

C-2. Release 4 pcs of screw to remove Power PCBA.

C-3. Release 4 pcs of screw to remove Main PCBA.

C-4. Release 4 pcs of screw to remove middle shelf bracket.

C-5. Release 3 pcs of screw to remove IO bracket.

C-6. Release 4 pcs of screw to remove Terminal Block PCBA.

C-7. Release 1 piece of screw to remove a holding plate of Antenna Board.

C-8. Release 1 piece of screw to remove HDD Module.

C-9. Release 4 pcs of screw to remove Touch Screen Driving Board.

C-10. Release 2 pcs of screw to remove iKey Control Board.

C-11. Release 2 pcs of screw to remove USB Hub Control Board.

C-12. Release 2 pcs of screw to remove LCD module Driving Board.

D. Disassemble OP Module

D-1. Release 3 pcs of screw to remove a holding plate of rubber cover.

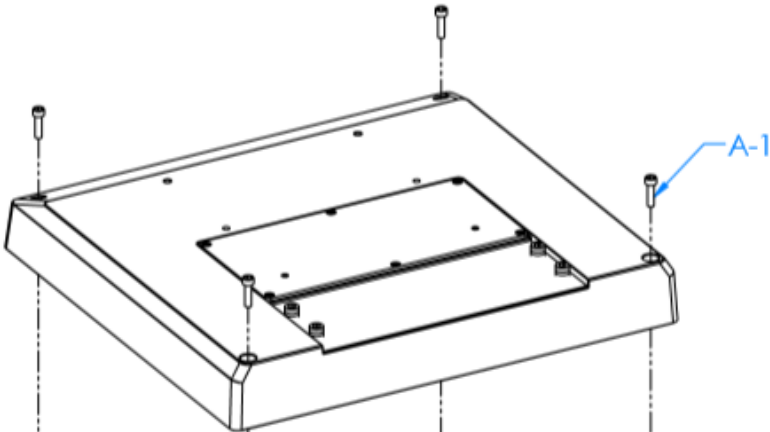
D-2. Release 6 pcs of screw to remove Push Buttons Board.

D-3. Release 3 pcs of screw to remove Emergency Stop Button Board.

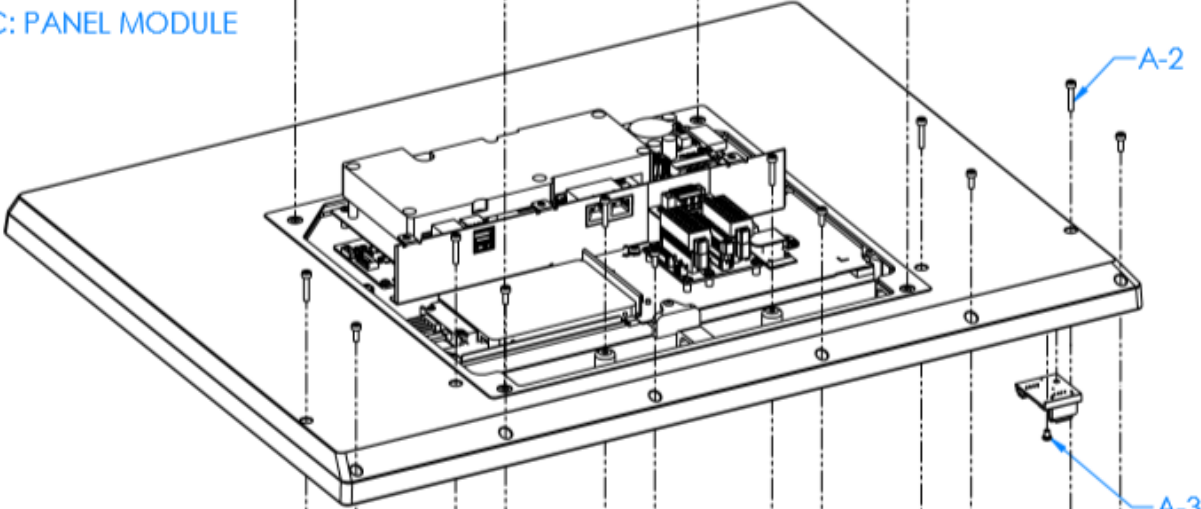
D-4. Rotating and release 4 collars to take off Button's body.

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).

B: BACK MODULE



C: PANEL MODULE



D: OP MODULE

