Product End-of-Life Disassembly Instructions

Product Category: Monitors and Displays

Marketing Name / Model
[List multiple models if applicable.]

HP Z24nq 23.8-inch Narrow Bezel IPS Display

**Purpose:** The document is intended for use by end-of-life recyclers or treatment facilities. It provides the basic instructions for the disassembly of HP products to remove components and materials requiring selective treatment, as defined by EU directive 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE).

1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment.

1.2 Enter the quantity of items contained within the product which require selective treatment in the right column, as applicable.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Notes</th>
<th>Quantity of items included in product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Printed Circuit Boards (PCB) or Printed Circuit Assemblies</td>
<td>With a surface greater than 10 sq cm Function key BD, IF BD, POWER BD</td>
<td>3</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries</td>
<td>0</td>
</tr>
<tr>
<td>Mercury-containing components</td>
<td>For example, mercury in lamps, display backlights, scanner lamps, switches, batteries</td>
<td>0</td>
</tr>
<tr>
<td>Liquid Crystal Displays (LCD) with a surface greater than</td>
<td>Includes background illuminated displays with gas discharge lamps Panel</td>
<td>1</td>
</tr>
<tr>
<td>100 sq cm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cathode Ray Tubes (CRT)</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Capacitors / condensers (Containing PCB/PCT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrolytic Capacitors / Condensers measuring greater than</td>
<td>Power BD only (C805)</td>
<td>1</td>
</tr>
<tr>
<td>2.5 cm in diameter or height</td>
<td></td>
<td></td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td>USB cable, Display cable, Power cord</td>
<td>3</td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Plastics containing Brominated Flame Retardants</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Components and parts containing toner and ink, including</td>
<td>Include the cartridges, print heads, tubes, vent chambers, and service stations.</td>
<td>0</td>
</tr>
<tr>
<td>liquids, semi-liquids (gel/paste) and toner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components and waste containing asbestos</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Components, parts and materials containing refractory</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>ceramic fibers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Components, parts and materials containing radioactive</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>substances</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2.0 Tools Required

List the type and size of the tools that would typically be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>Tool Size (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description #1 SCREW DRIVER(PHILLIPS HEAD)</td>
<td>#0</td>
</tr>
<tr>
<td>Description #2 SCREW DRIVER(PHILLIPS HEAD)</td>
<td>#1</td>
</tr>
<tr>
<td>Description #3 SCREW DRIVER(PHILLIPS HEAD)</td>
<td>#2</td>
</tr>
<tr>
<td>Description #4</td>
<td></td>
</tr>
<tr>
<td>Description #5</td>
<td></td>
</tr>
</tbody>
</table>

3.0 Product Disassembly Process

3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment:

1. Remove Stand Base From Display Head
2. Remove Rear Cover From Display Head
3. Remove Front Cover From Display Head
4. Remove Keyboard Off From Front Cover
5. Disassemble Front Cover ASSY
6. Disassemble Rear Cover ASSY
7. Take Screw(*4) Off From Chassis Cover & Remove Panel
8. Take Screw(x9) Off From P.C.B
9. Take Screw(x6) Off From P.C.B
10. Take Off P.C.B From Chassis& Remove BKT (Printed Circuit Assemblies>10cm**2)
11. Remove Mylar From Chassis Cover
12. Remove Gasket From Chassis Cover
13. LCD PANEL EXPLODE
14. Remove VESA Cover&Pivot Cover off Stand Base
15. Remove Riser Lift Cover off Stand Base
16. Remove Base Cover & Base Cover BKT Off Stand Base
17. Remove Stand Front Cover off Stand BKT
18. Remove Stand Rear Cover Off Stand BKT
19. Remove Vesa Cover Assy Off Stand BKT
20. Remove Vesa Cover Off VESA BKT

3.2 Optional Graphic. If the disassembly process is complex, insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).
HP Z24nq Disassembly Process

- Alex Wang
- Mechanical Engineer
- April-10-2015
Pick up display head.
Remove Stand Base From Display Head

Push the release button

Remove Stand Base From Display Head.
Remove four wall mount screws from display head.

Remove Rear Cover From Display Head.
Remove AL Foil

Remove four Al foil
Remove Front Cover From Display Head

Remove four front cover screws

Remove Connector

Front cover

Remove Front Cover.
Disassembly front cover ASSY

Disassembly front cover assembly.
Disassemble Middle Cover ASSY

1. Remove connector from panel.

2. Remove 9 pcs screws from middle cover.

Middle cover
1. Remove acetate tape

2. Take off the LVDS.

Chassis
Disassemble Panel mylar

Remove the panel mylar.
Disassembly display movement

Take Screw(x15) Off From P.C.B
Remove VESA Cover, pivot cover off

Take 3 screws off

Take 2 screws off
Remove Riser Lift cover off
Remove Base Cover & Base Cover BKT Off

Take 4 Rubbers off

Take 4 Screws off
Remove Stand Front Cover Off
Remove Stand Front Cover Off

Take 5 Screws off