Product End-of-Life Disassembly Instructions

Product Category: Personal Computers

Marketing Name / Model
[List multiple models if applicable.]
HP t310 All-in-One Zero Client

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 (PCA)</td>
<td>With a surface greater than 10 sq cm PCA</td>
<td>3</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries N/A</td>
<td>0</td>
</tr>
<tr>
<td>Mercury-containing components</td>
<td>For example, mercury in lamps, display backlights, scanner lamps, switches, batteries N/A</td>
<td>0</td>
</tr>
<tr>
<td>Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm</td>
<td>Includes background illuminated displays with gas discharge lamps LED</td>
<td>1</td>
</tr>
<tr>
<td>Cathode Ray Tubes (CRT)</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Capacitors / condensers (Containing PCB/PCT)</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Plastics containing Brominated Flame Retardants weighing &gt; 25 grams (not including PCBs or PCAs already listed as a separate item above)</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste) and toner</td>
<td>Include the cartridges, print heads, tubes, vent chambers, and service stations. N/A</td>
<td>0</td>
</tr>
<tr>
<td>Components and waste containing asbestos</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Components, parts and materials containing refractory ceramic fibers</td>
<td>N/A</td>
<td>0</td>
</tr>
</tbody>
</table>
Components, parts and materials containing radioactive substances

| N/A | 0 |

### 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 Philips Screwdriver</td>
<td>2# 2.55-3.0kgf.com</td>
</tr>
<tr>
<td>Description #2 Philips Screwdriver</td>
<td>1# 2.55-3.0kgf.com</td>
</tr>
<tr>
<td>Description #3 hex-head screw Screwdriver</td>
<td>hex-head screw</td>
</tr>
<tr>
<td>Description #4 Side Cutter</td>
<td></td>
</tr>
<tr>
<td>Description #5 Slotted Screwdriver</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. Disassembly process - Housing
2. Remove base cover
3. Tear off the rubber feet.
4. Separate the support by loosening 3 screws.
5. Open the housing
6. Tear off the stickers.
7. Separate the metal joint parts and plastic support by loosening 3 screws.
8. Take off the panel and PCB assembly module.
9. Separate the metal parts and plastic buttons from the housing.
10. Disassembly process - PCB assembly
11. Tear off the tapes.
12. Separate the panel and PCB assembly module by taking off the cables.
13. Remove the cables from the PCB assembly.
14. Take off the speaker.
15. Separate the USB jacks by loosening 2 screws.
16. Separate the PCB assembly by loosening 10 screws.
17. Remove the non-recyclable plastic.
18. Tear off the foam tapes.
19. Remove the metal frame.
20. Disassembly process - Panel
21. Tear off the labels.
22. Tear the tape from PCB assembly.
23. Separate metal frame.
24. Separate the plastic frame of panel.
25. Separate the PCB assembly and FPC from the panel.
26. Separate the PCB assembly by loosening 3 screws.
27. Remove all optical plastic film.
28. Separate the PCB assembly of LED.
29. Disassembly process - Adaptor
30. Tear off stickers.
31. Open the case.
32. Separate the metal sheet.
33. Separate the metal sheet by loosening 2 screw.

PSG instructions for this template are available at EL-MF877-01
35. Cut off the cable.
36. Separate the black plastic sheet.
37. Remove the non-recyclable plastic from the PCB assembly.
38. Cut off the cables and separate plastic part and metal part.

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).
Disassembly process - PCB assembly

- Tear off the tapes.
- Separate the panel and PCB assembly module by taking off the cables.
- Remove the cables from the PCB assembly.
- Remove the non-recyclable plastic.
- Tear off the foam tapes.
- Remove the metal frame.
- Completed disassembly.

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Disassembly process

1. Tear off the labels.
2. Tear the tape from PCB assembly.
4. Separate the plastic frame of panel.
5. Remove all optical plastic film.
6. Separate the PCB assembly and EPC from the panel.
7. Separate the PCB assembly by loosening 3 screws.
8. Completed disassembly.

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Disassembly process 拆解程序— Adaptor 變壓器

1. Tear off stickers. 撕掉貼紙。
2. Open the case. 打開機殼。
3. Separate the metal sheet. 分離金屬板。
4. Separate the metal sheets by loosening 2 screws. 斷出 2 顆螺絲以分離金屬板。
5. Cut off the cable. 剪掉電線。 (S.S.T.)
6. Separate the black plastic sheet. 移出黑塑膠片。
7. Remove the non-recyclable plastic from the PCB assembly. 移除電路板上的不可回收塑膠。
8. Cut off the cables and separate plastic part and metal part. 剪掉電線及分離金屬與非金屬部位。
9. Completed disassembly. 拆解完成。

<table>
<thead>
<tr>
<th>Item 項目</th>
<th>Findings 結果</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classified Category 分類</td>
<td>IT and telecommunications equipment 資訊技術及電信通訊設備</td>
</tr>
<tr>
<td>Disassembly time 拆解時間</td>
<td>45 minutes by manual disassembly 半手拆解</td>
</tr>
<tr>
<td>Tools used for manual disassembly 拆解工具</td>
<td>Philips Screwdriver 十字螺絲起子</td>
</tr>
<tr>
<td></td>
<td>Knife 刀子</td>
</tr>
<tr>
<td></td>
<td>Slotted Screwdriver 一字螺絲起子</td>
</tr>
<tr>
<td></td>
<td>Corona Clipper 圓弧剪</td>
</tr>
<tr>
<td></td>
<td>Side Cutter 斜口鉗</td>
</tr>
<tr>
<td>Connection techniques found on submitted sample 樣品中的連接技術</td>
<td>Screw 螺絲 23 pieces 顆</td>
</tr>
<tr>
<td></td>
<td>Combination 組裝接合 x 10</td>
</tr>
<tr>
<td></td>
<td>Adherence 黏著 x 15</td>
</tr>
</tbody>
</table>

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