



# Product End-of-Life Disassembly Instructions

**Product Category:** Networking Equipment

**Marketing Name / Model**

**[List multiple models if applicable.]**

HP 1920-24G-PoE+(180W) Switch

**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.

| 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                                                  | 5                                     |
| Batteries                                                                                                                                | All types including standard alkaline and lithium coin or button style batteries      | 0                                     |
| Mercury-containing components                                                                                                            | For example, mercury in lamps, display backlights, scanner lamps, switches, batteries | 0                                     |
| Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm                                                                      | Includes background illuminated displays with gas discharge lamps                     | 0                                     |
| Cathode Ray Tubes (CRT)                                                                                                                  |                                                                                       | 0                                     |
| Capacitors / condensers (Containing PCB/PCT)                                                                                             |                                                                                       | 713                                   |
| Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height                                                 |                                                                                       | 16                                    |
| External electrical cables and cords                                                                                                     |                                                                                       | 0                                     |
| Gas Discharge Lamps                                                                                                                      |                                                                                       | 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                                     |
| Components and waste containing asbestos                                                                                                 |                                                                                       | 0                                     |
| Components, parts and materials containing refractory ceramic fibers                                                                     |                                                                                       | 0                                     |
| Components, parts and materials containing radioactive substances                                                                        |                                                                                       | 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.

| Tool Description | Tool Size (if applicable) |
|------------------|---------------------------|
| Screw driver     | 2#                        |
|                  |                           |
|                  |                           |
|                  |                           |
|                  |                           |

## 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. Unscrew the screws on mounting angle 1, and then remove mounting angle 1.
2. Remove the cover 2
3. Remove all of the inner cables.
4. Unscrew the screws on PCB 3, and then remove PCB 3.
5. Unscrew the screws on PCB 5, and then remove PCB 5..
6. Unscrew the screws on PCB 4, and then remove PCB 4
7. Insulate plate 7 and outlet 9.
8. Remove film 6 from panel 11.
9. Remove the Electric fan 10.
10. Remove all of the labels.

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).

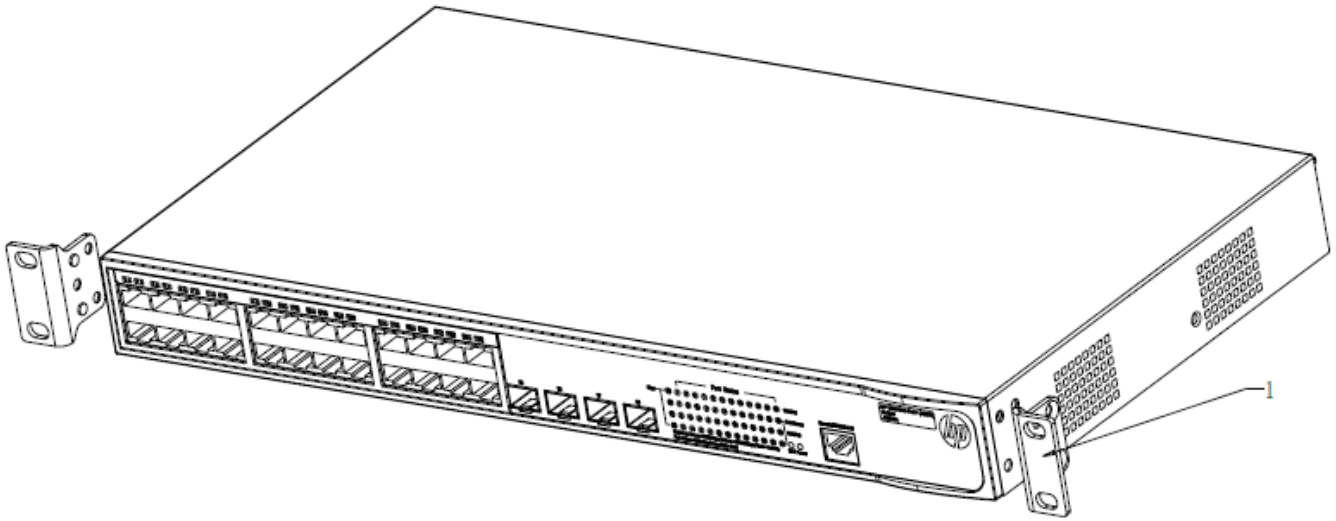


Figure1 Remove mounting angle

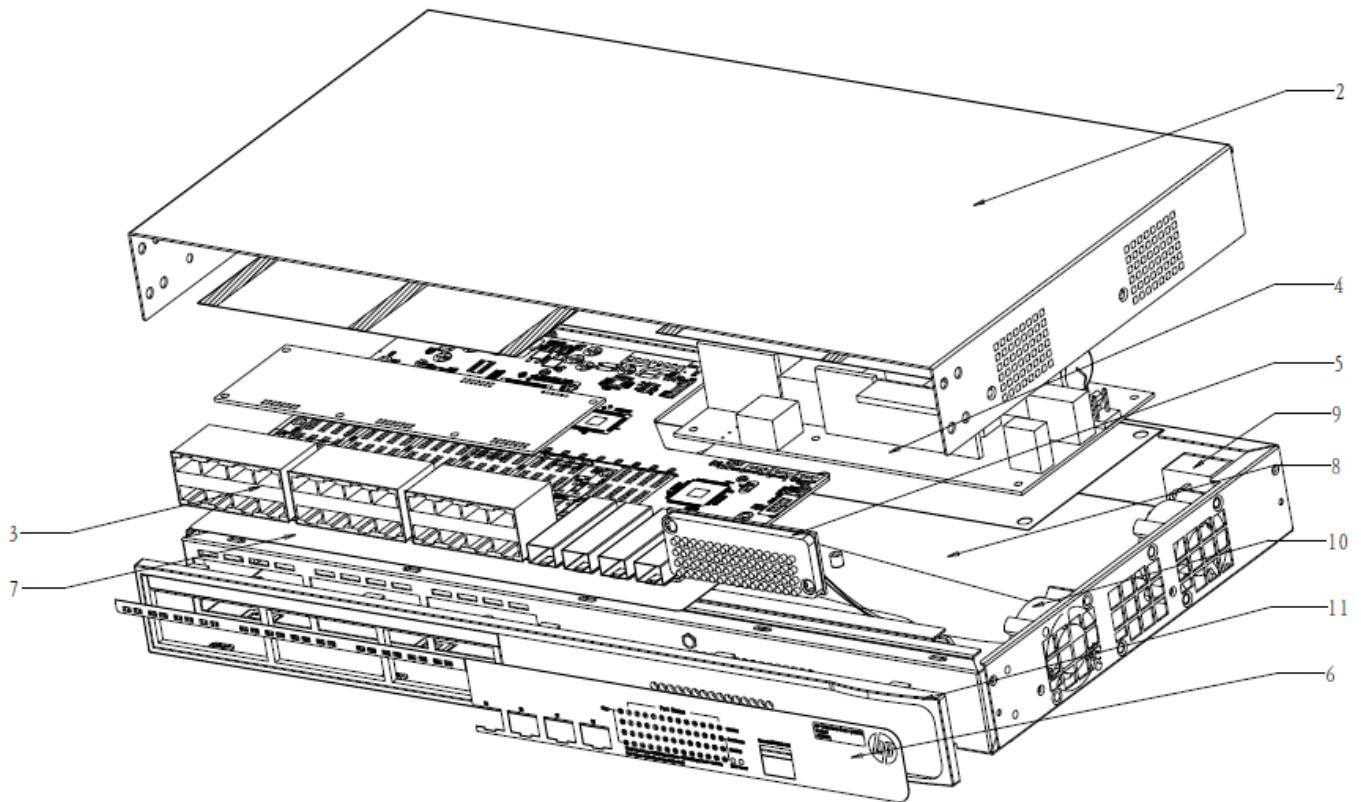


Figure2 Treatment to the product

### 3.3 Material of the facility built

| Facility | Components       | Material    | Weight(g) | Weight percentage | Selective treatment for materials and components         | Details      |
|----------|------------------|-------------|-----------|-------------------|----------------------------------------------------------|--------------|
| 1.       | Mount angle      | Fe          | 32        | 0.9%              |                                                          | Fe recycling |
| 2        | Top case         | Fe          | 875       | 25.6%             |                                                          | Fe recycling |
| 3.       | Main board       | Complex PCB | 584       | 17.1%             | The surface of PCB is greater than 10 square centimeters |              |
| 4        | Power PCB        | Complex PCB | 910       | 26.7%             | The surface of PCB is greater than 10 square centimeters |              |
| 5        | LED PCB          | Complex PCB | 16        | 0.5%              | The surface of PCB is greater than 10 square centimeters |              |
| 6        | Film             | PC          | 7         | 0.2%              | Containing brominated flame retardants                   |              |
| 7        | Insulating panel | PC          | 6         | 0.2%              | Containing brominated flame retardants                   |              |
| 8        | Bottom case      | Fe          | 904       | 26.5%             |                                                          | Fe recycling |
| 9        | AC Power jack    | PA          | 16        | 0.5%              | Containing brominated flame retardants                   |              |
| 10       | Electric fan     | ABS         | 22        | 0.6%              |                                                          |              |
| 11       | Plastic panel    | ABS         | 43        | 1.3%              | Containing brominated flame retardants                   |              |

### 4. Revised record

| Date       | Version | Author     | Modify content  |
|------------|---------|------------|-----------------|
| 2014.07.31 | V0      | He Changlu | Initial version |
|            |         |            |                 |