



# Product End-of-Life Disassembly Instructions

## Product Category: Networking Equipment

### Marketing Name / Model

[List multiple models if applicable.]

HPE Altoline 9960 C1 8-slot 10RU Chassis (JC910A)

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	3
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)		0
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		0
External electrical cables and cords		21
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)
Phillips screwdriver	#1
Phillips screwdriver	#2
Nut spinner screwdriver	5mm
Nut spinner screwdriver	6mm
Nut spinner screwdriver	10mm
Torx screwdriver	M2.5

## 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 the PDU module

1. Using a #2 Phillips screwdriver, loose the screws attaching the PDU module.
2. Slide the PDU module off the chassis.

### 2. Remove the power entry connectors on the PDU module

1. Using a #2 Phillips screwdriver, remove the three M3 screws attaching the power entry connectors.
2. Remove the three power entry connectors and attaching cable.
3. Repeat for the other PDU module.

### 3. Remove the PDU PCB

1. Using a #2 Phillips screwdriver, remove the three M5 screws on the top of panel and remove the attaching cables.
2. Using a #2 Phillips screwdriver, remove the three M3 screws attaching the PCB.
3. Remove the PCB and the attaching cable holder.
4. Repeat for the other PDU module.

### 4. Remove the fan cage

1. Using a #1 Phillips screwdriver, remove 30 screws attaching the fan cage.
2. Slide the fan cage with four fan boards off the chassis.

### 5. Remove the fan board

1. Using a #2 Phillips screwdriver, remove six M3 screws attaching the fan board.
2. Remove the fan board off the chassis.
3. Repeat for the other three fan boards.

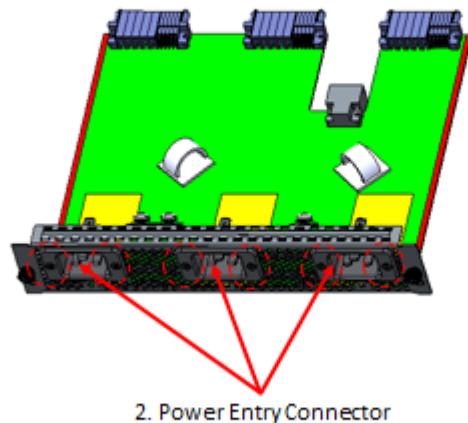
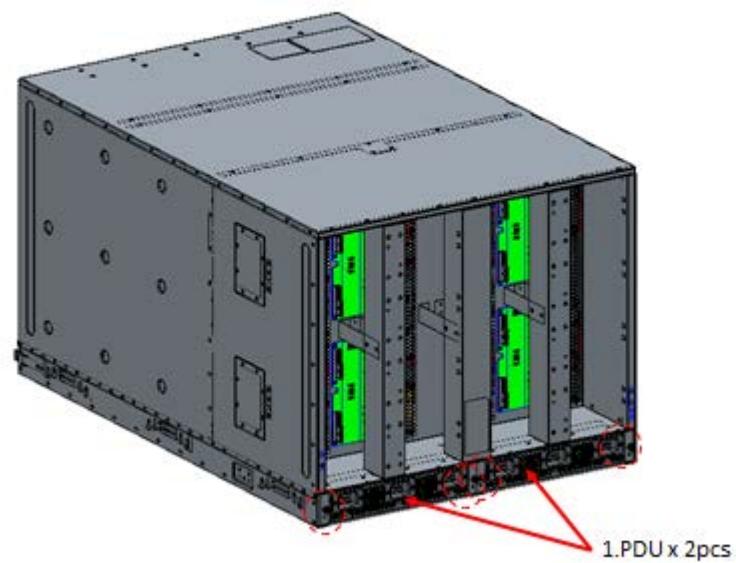
### 6. Remove the chassis bracket

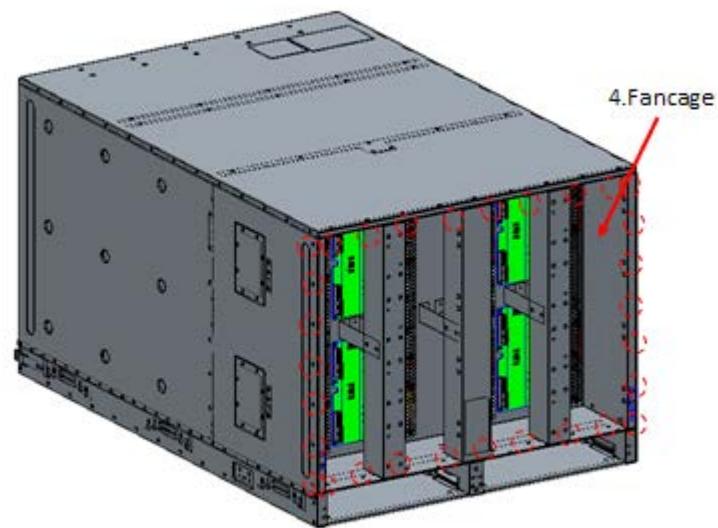
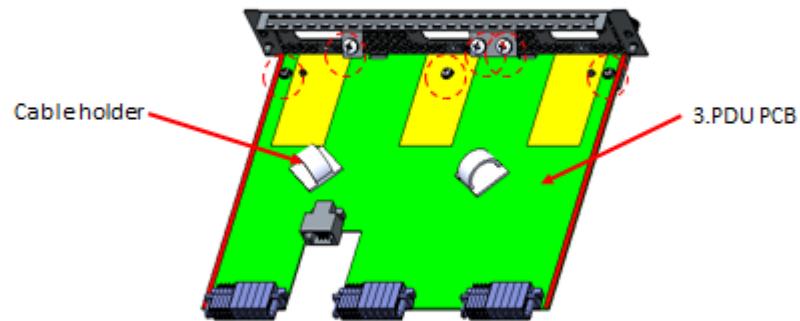
1. Using a #2 Phillips screwdriver, remove six M3 screws attaching the chassis bracket.
2. Remove the two connector off the bracket.
3. Remove the 8 cable holders off the bracket.
4. Remove the chassis bracket off the chassis.
5. Remove the fan connector.
6. Repeat for the other bracket.

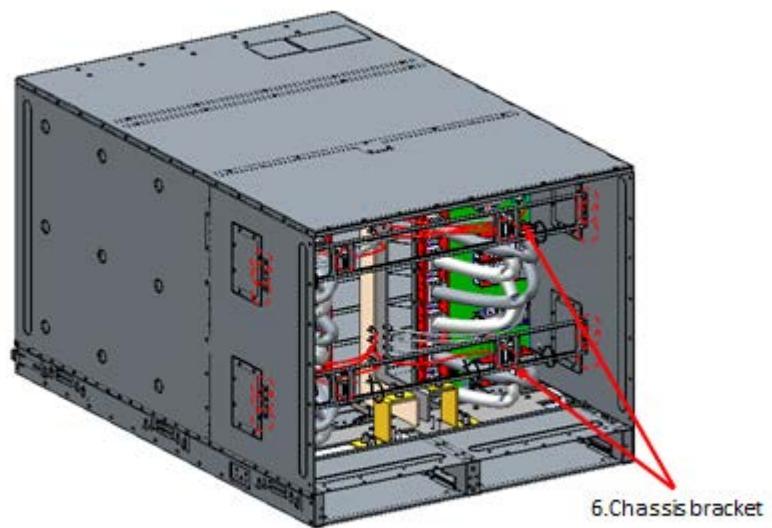
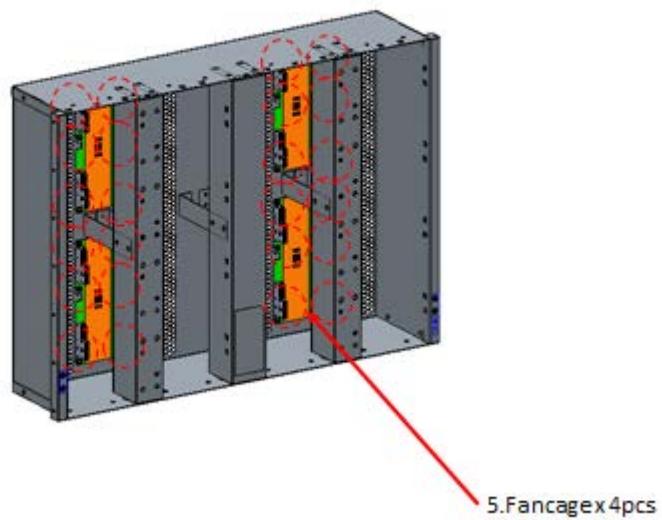
### 7. Remove the extension busbar

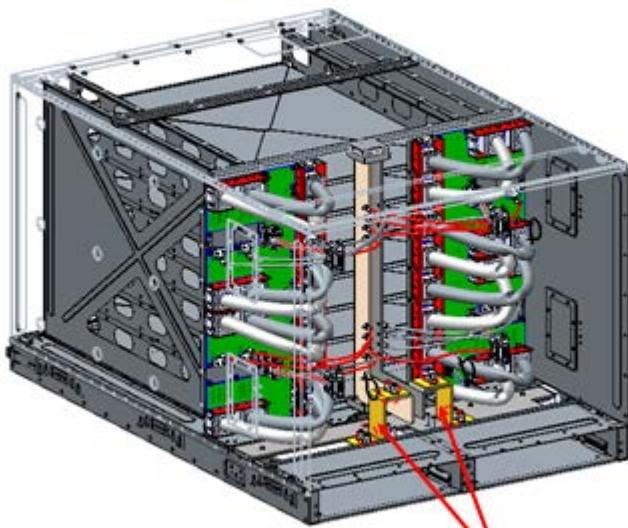
1. Using a #10 nut spinner screwdriver, remove the 8 nuts attaching the extension busbar.
2. Remove the 4 washers.
3. Remove the extension busbar.
4. Repeat for the other bracket.

- 8. Remove the vertical busbar**
  1. Using a #2 screwdriver, remove the 8 screws attaching the top and bottom vertical busbar retainer.
  2. Using a #6 nut spinner screwdriver, remove the nuts and washers attaching the cable on the vertical busbar.
  3. Remove the vertical busbar and retainer.
- 9. Remove the busbar assembly**
  1. Using a #2 screwdriver, remove the 6 screws attaching the right and left busbar retainer.
  2. Remove the busbar assembly and retainer.
  3. Using a #2 screwdriver, remove the 6 nylon screws attaching the busbar assembly.
  4. Separate the busbar assembly into two busbar and one mylar.
- 10. Remove the backplane cable and PDU cable**
  1. Using a #6 nut spinner screwdriver, remove the 2 nuts attaching the cable.
  2. Remove the washers.
  3. Repeat for the other 7 backplane cables.
  4. Remove the two PDU cables.
- 11. Remove the whisper cable**
  1. Using a torx screwdriver, loose the 20 screws attaching the whisper cable.
  2. Remove the whisper cable.
  3. Repeat for the other whisper cable.
- 12. Separate the whisper cable**
  1. Using a #2 screwdriver, remove the 34 screws attaching the whisper cable.
  2. Using a 5mm nut spinner screwdriver, remove the 7 spacers attaching the whisper cable.
  3. Separate the whisper cable into 10 brackets, 10 blocks, 34 screws, 7 spacers and 4 cables.
  4. Repeat for the other whisper cable.
- 13. Remove the backplane**
  1. Using a #2 screwdriver, remove the 18 screws attaching the backplane.
  2. Remove the backplane.
  3. Repeat for the other backplane.
- 14. Remove the side cover**
  1. Using a #1 screwdriver, remove the 8 screws attaching the side cover.
  2. Remove the side cover.
  3. Repeat for the other three side cover.
- 15. Remove the top cover**
  1. Using a #1 screwdriver, remove the 2 screws attaching the top cover inside the chassis.
  2. Using a #1 screwdriver, remove the 42 screws around the top cover outside the chassis.
  3. Remove the top cover.

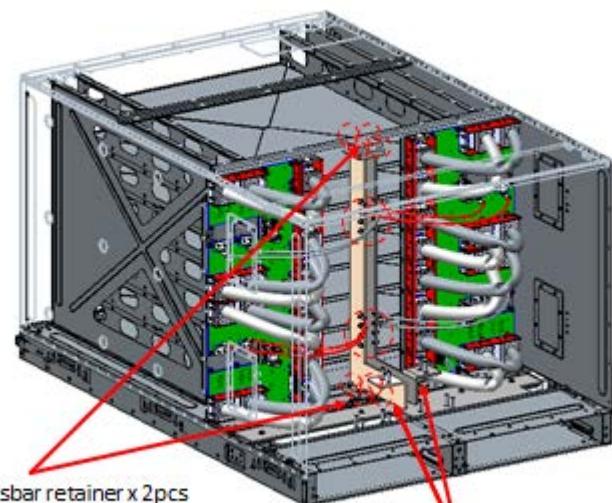






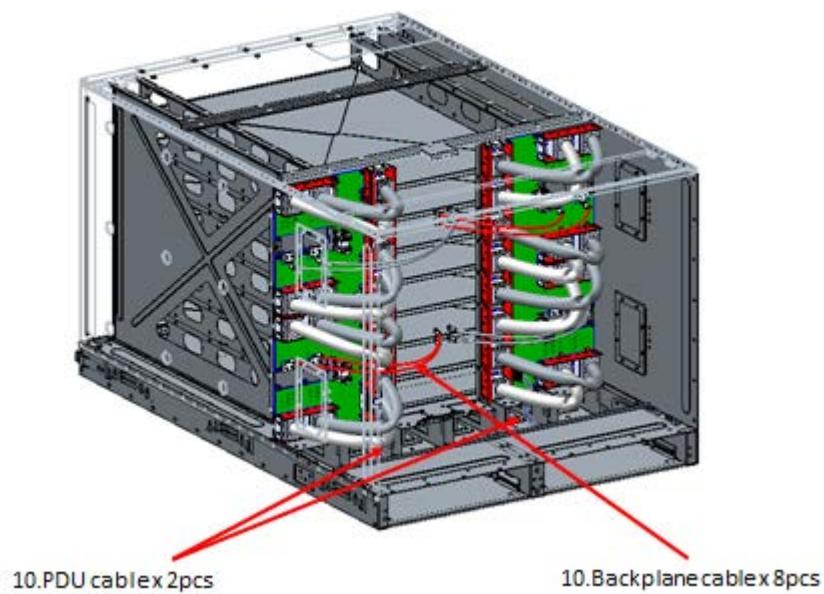
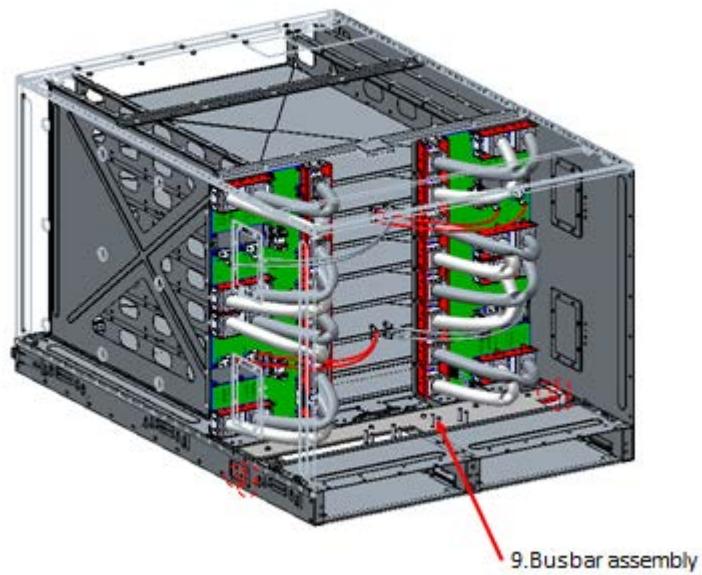


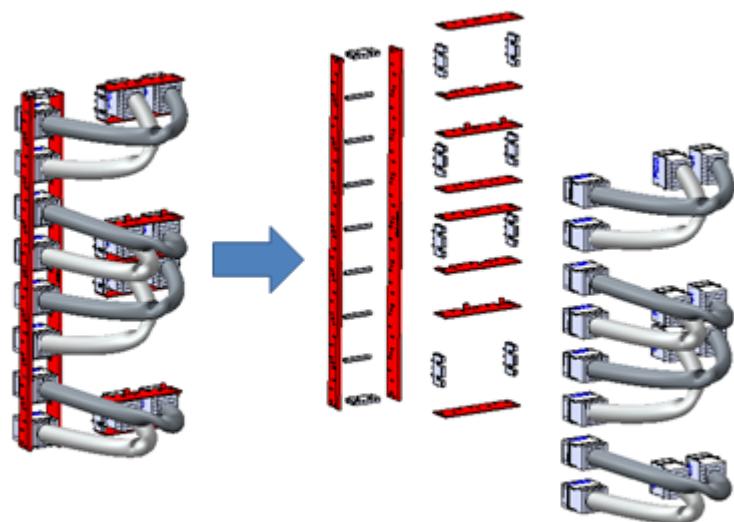
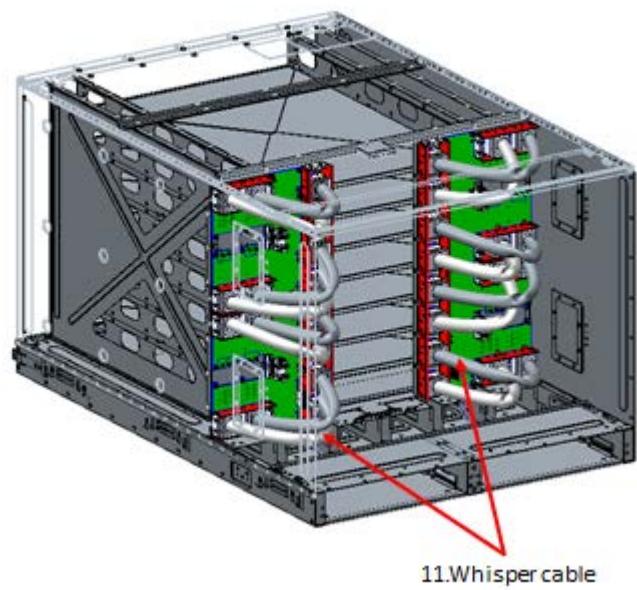
7. Extension busbar x 2pcs

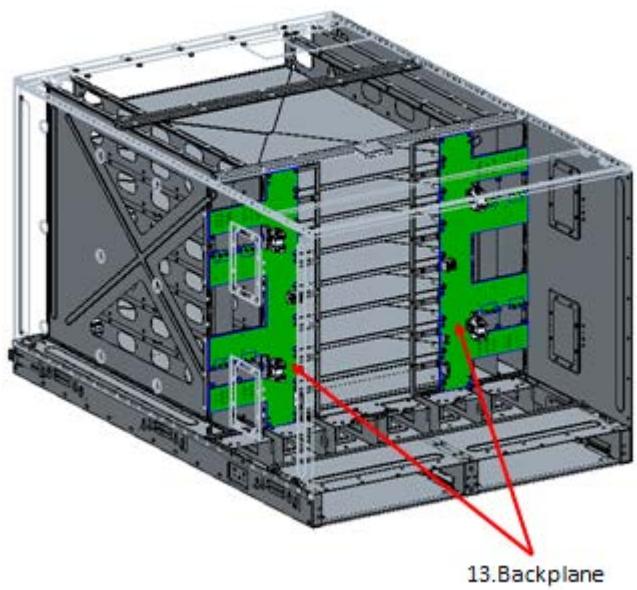


7. Vertical busbar retainer x 2pcs

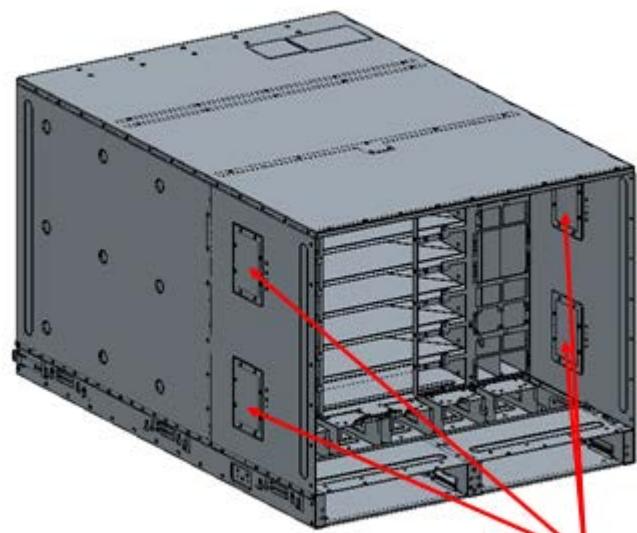
7. Vertical busbar x 2pcs



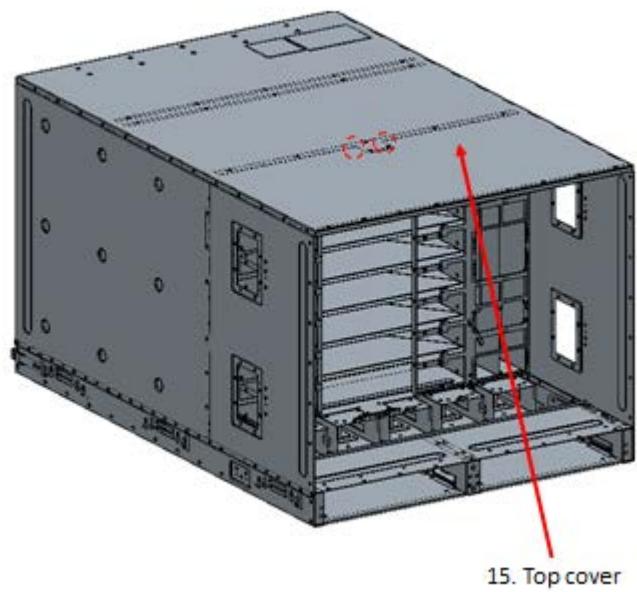




13. Backplane



14. Side cover x4pcs



15. Top cover