



QM97X0 Switch Systems Dismantling Guide Home

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 **Note**

This document is preliminary and subject to change.

This document is intended for use by end-of-life recyclers or treatment facilities. It provides instructions for the proper disassembly and disposal of the QM97X0 switch systems specified below.

Disassembling the System from the Rack

Before referring to the dismantling instructions of the specific system family, remove the system from the rack:

1. Unplug and remove all connectors.
2. Unplug all power cords.
3. Remove the ground wire.
4. Unscrew the center bolts from the side of the system with the bracket.

 **Warning**

Support the weight of the system when you remove the screws so that the system does not fall.

5. Slide the system from the rack.
6. Remove the rail slides from the rack.
7. Remove the caged nuts.

Part Numbers

QM97X0 Part Numbers

System Model	NVIDIA SKU	Legacy OPN	Description
QM9700	920-9B210-00FN-0M0	MQM9700-NS2F	64-ports NDR, 32 OSFP ports, managed, power-to-connector (P2C) airflow (forward)
	920-9B210-00RN-0M2	MQM9700-NS2R	64-ports NDR, 32 OSFP ports, managed, connector-to-power (C2P) airflow (reverse)
QM9790	920-9B210-00FN-0D0	MQM9790-NS2F	64-ports NDR, 32 OSFP ports, unmanaged, P2C airflow (forward)
	920-9B210-00RN-0D0	MQM9790-NS2R	64-ports NDR, 32 OSFP ports, unmanaged, C2P airflow (reverse)

QM9700/QM9790

Dismantling Instructions

QM97X0 Systems Dismantling

To dismantle the system, perform the following steps, while viewing the matching illustrations. To view the amounts of each component in your system, refer to the [Component List](#) below with the item number in the brackets. Once you are done dismantling all switch components, make sure you have all the below listed screws, nuts and Washers.

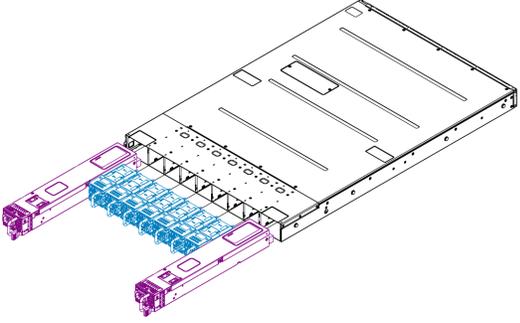
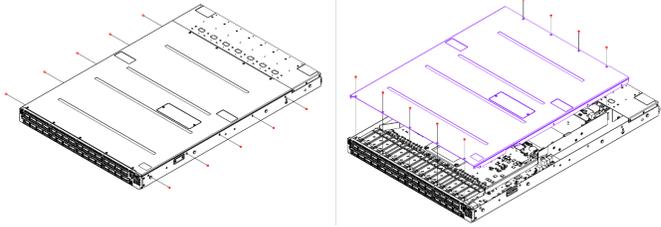
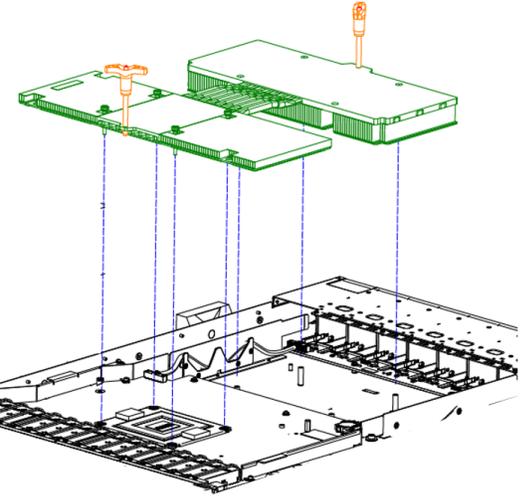
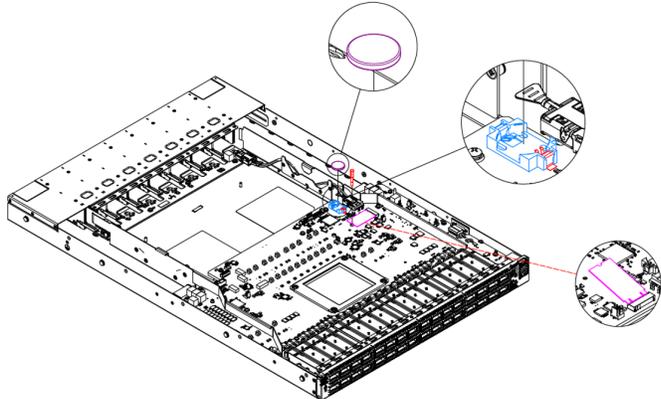
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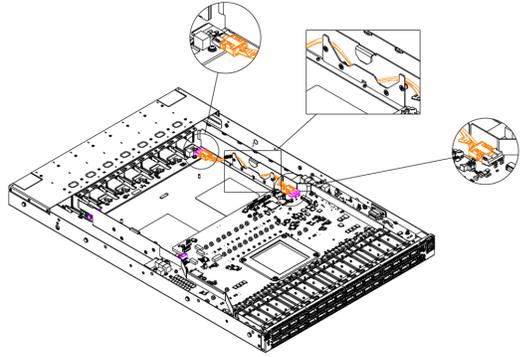
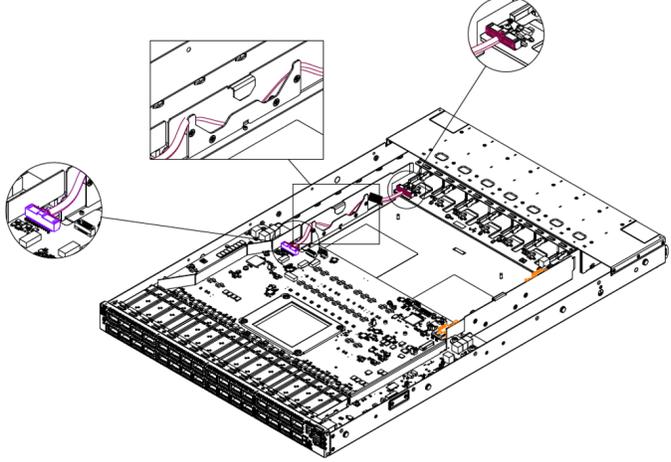
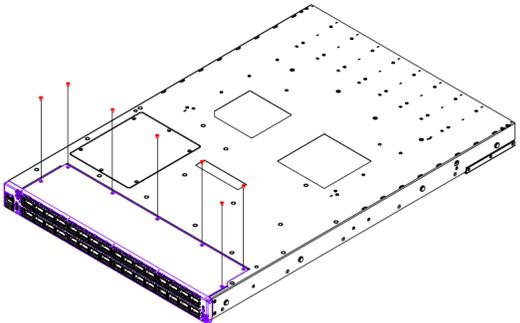
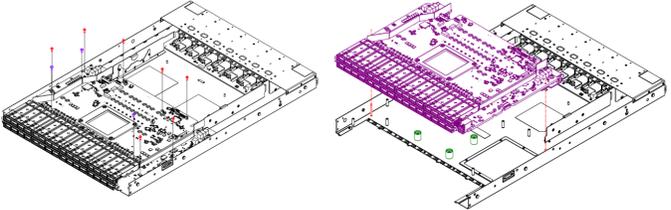
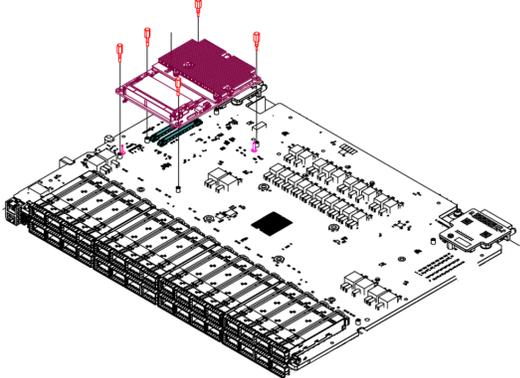
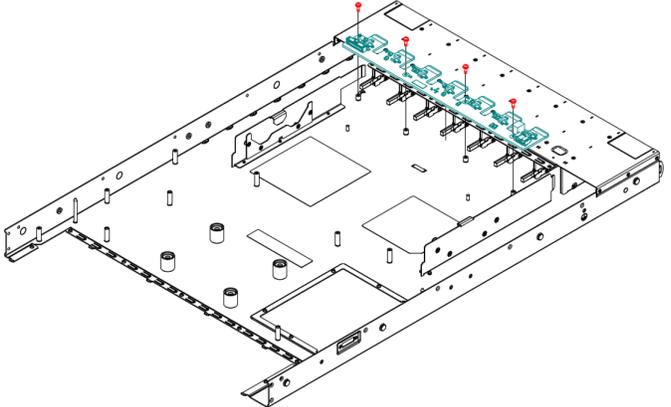
Note: The images in the following table are provided for illustration purposes only. The components may slightly vary, depending on the system family and specific model.

Note

Note: Be cautious when disassembling the switch, as this is a BareDie system, including an exposed silicon ASIC.

Step	Step
1 Disassemble the Fan Modules (#1) and the Power Supply Units (#2) .	2 Unscrew all screws (#a) securing the Top Cover (#3) to the System's Base, and remove it.

Step	Step
	
<p>Remove the Heatsink (#4) from the System's Base by unscrewing all screws and removing all wedges (#b, c). You may use a dedicated jig* as shown in the figure - Press the pin while inserting the jig into the dedicated holes.</p>  <p>*Jig PN -MTCJXXXX. For assembly instructions, please contact your NVIDIA representative.</p>	<p>Remove the SSD Card Screw Holder (#5) and MEM Module (#6). Locate the Coin Battery (#7) under the designated latch, and remove it.</p> 
<p>5 Disconnect the Power Harness between the Fan Board and the Power Extender (#8) from both sides.</p>	<p>6 Disconnect the Harness from the Fan Board to the Main Board (#9) from both sides.</p>

Step	Step
	
<p>7</p> <p>Unscrew all screws and washers (#a) securing the Front Panel (#10) to the System's Base Bottom, and remove it.</p> 	<p>8</p> <p>Unscrew all screws attaching the Main Board (#11) to the System's Base (#d, e) and remove it.</p> 
<p>9</p> <p>Remove all COMEX Patch Spacers (#12), and take out the CFL-H COM Express Module (#13).</p> 	<p>10</p> <p>Unscrew all screws (#d) attaching the Fan Board (#14) to the System's Base.</p> 

Component List

#	Component	QM9700/QM9790
1.	Fan Modules	7
2.	Power Supply Units	2
3.	Top Cover	1
4.	Heatsink	1
5.	SSD Card Screw Holder	1
6.	MEM Module	1
7.	Coin Battery	1
8.	Power Harness between the Fan Board and the Power Extender	1
9	Harness from the Fan Board to the Main Board	1
10.	Front Panel	1
11.	Main Board	1
12.	COMEX Patch Spacers	5
13.	CFL-H COM Express Module	1
14.	Fan Board	1
Screws, Nuts and Washers		
a	Flat Head 100 Deg Philips 4-40X3/16" Screw Patch	30
b	45 Deg Wedge	7
c	Pan Head Flat Washer Philips 4-40X1" Screw	4
d	Pan Head Philips Double Washer 4-40X3/8" with Patch 360	13
e	Pan Head Philips 6-32X5/16" Washer Screw	3

Product Material and Disposal

Note

Some parts may not be applicable to all products in this family.

Printed Circuit Board (PCB)	Present in products such as director switches, adapter/interface cards and transceivers.
Battery	Lithium coin type battery
Metal	Enclosures, brackets and heatsinks usually contain stainless steel or aluminum.
Plastic	Lexans, stands, etc. Most plastic parts are halogen free.
Cables	External – power cords Internal harnesses and wires.
Beryllium/Beryllium compounds	Beryllium may be present in various components as a copper beryllium alloy.
Electrolyte capacitors	Electrolytic capacitors (height and/or diameter greater than 25mm) may be present in the power supplies
Asbestos and its compounds	Parts used in NVIDIA products do not contain asbestos or its compounds.
Refractory ceramic fibers	Parts used in NVIDIA products do not contain refractory ceramic fibers.
Radio-active substances	Parts used in NVIDIA products do not contain radio-active substances.

Disposal Instructions

According to the WEEE Directive 2002/96/EC, all waste electrical and electronic equipment (EEE) should be collected separately and not disposed of with regular household waste. Dispose of this product and all of its parts in a responsible and environmentally friendly way.



Selective Treatment Equipment

For a list of materials and components of waste electrical and electronic equipment for selective treatment, please refer to Article 6(1) and Annex II of the [EU WEEE Directive](#).

Document Revision History

Date	Revision	Description
October 2024	1.1	Fixed typos
June 2023	1.0	Initial revision

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