



Hewlett Packard Enterprise

HPE Altoline 6921 48XGT 6QSFP+ x86 ONIE AC Switch

Quick Start Guide

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Documentation feedback

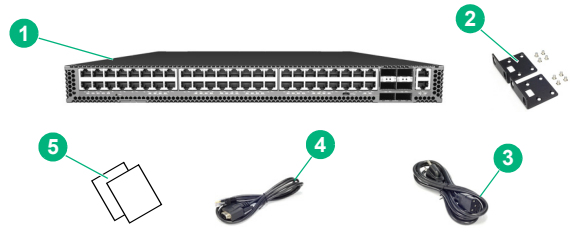
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Step 1: Unpack the switch and check contents

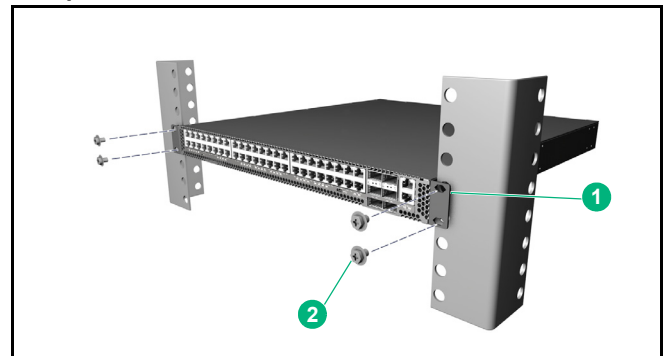


1	HPE Altoline 6921 48XGT+ 6QSFP+ x86 ONIE AC Switch	2	Rack mounting kit — 2 brackets and 8 screws
3	Country-specific power cord(s)	4	Console cable — RJ-45 to DB-9
5	Documentation— <i>Quick Start Guide</i> (this document) and <i>Safety and Regulatory Information</i>		

NOTE: The switch has the Open Network Installer Environment (ONIE) software pre-loaded, but no switch software image pre-loaded.

CAUTION: The switch includes plug-in power supply and fan tray modules that are installed into its chassis. All installed modules must have a matching airflow direction. That is, all modules must have a front-to-back (F2B) airflow direction, or all modules must have a back-to-front (B2F) airflow direction. The airflow direction of fan trays is indicated by text printed on the modules.

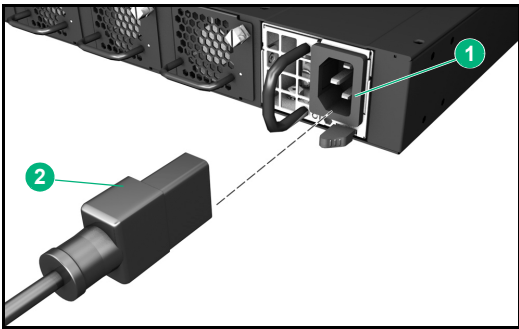
Step 2: Mount the switch



1	Attach the brackets to the switch.
2	Use the screws supplied with the rack to secure the switch in the rack.

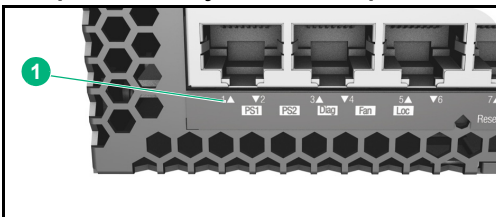
CAUTION: Installing the switch in a rack requires two people. One person should position the switch in the rack, while the other secures it using the rack screws.

Step 3: Connect power



- 1 Install one or two universal AC power modules in the switch.
The switch supports up to two PSUs that must have the same matching airflow direction as the installed fan tray.
- 2 Connect an external AC power source to the modules.

Step 4: Verify switch operation



- 1 Verify basic switch operation by checking the system LEDs.
When operating normally, the PSU1/PSU2, Diag, and Fan LEDs should all be on green.

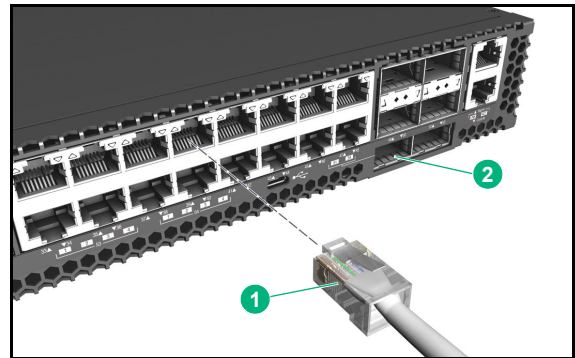
Step 5: Perform initial system boot

1. If the network operating system (NOS) installer is located on a network server, first connect the RJ-45 Management (Mgmt) port to the network using 100-ohm Category 5, 5e or better twisted-pair cable. (Not required if the NOS installer is located on attached storage.)
2. Boot the switch. Wait for the ONIE software to locate and execute the NOS installer, and then wait for the installer to load the NOS software image.

Subsequent switch boots will bypass ONIE and directly run the NOS software.

NOTE: Refer to the network operating system (NOS) installer and NOS documentation for details on software options and set up for ONIE.

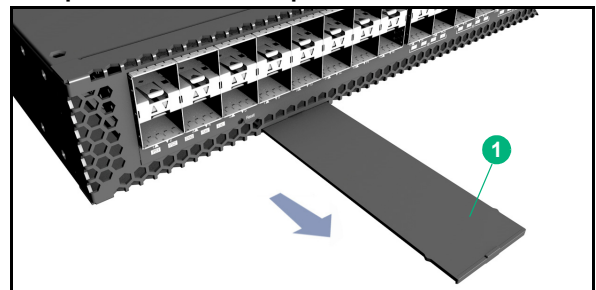
Step 6: Connect network cables



- 1 For RJ-45 ports, use 100-ohm Category 6, 6a, or 7 twisted-pair cable for 10GBASE-T connections, or Category 5e or better cable for 100/1000BASE-T connections.
- 2 Connect DAC cables to the QSFP+ slots. Or, first install QSFP+ transceivers and then connect fiber optic cabling to the transceiver ports.
The following transceivers are supported:
 - ◆ 40GBASE-CR4
 - ◆ 40GBASE-SR4

NOTE: As connections are made, check the port status LEDs to be sure the links are valid.

Step 7: View the product label



- 1 The switch product label is located below RJ-45 ports 7–12 on left side of the front panel. Pull the label out to view the product information.

Hardware specifications

Switch Chassis	
Size (WxDxH)	442.5 x 473 x 43.95 mm (17.42x 18.62 x 1.73 inches)
Weight	9.5 kg (20.94 lb), with two installed PSUs
Temperature	Operating: 0°C to 40°C (32°F to 104°F) Storage: -40°C to 70°C (-40°F to 158°F)
Humidity	Operating: 5% to 95% (non-condensing)
Operating Altitude	Up to 3000 m (10,000 ft)
Acoustics	Noise Emission LpA=61.1 dB at virtual workspace according to DIN 45635 T.19
Power Consumption	384 Watts maximum
AC PSU	
Power AC Input Rating	100–240 VAC, 50-60 Hz, 6–3 A
System AC Input Rating	100–240 VAC, 50-60 Hz, 400 Watts, hot pluggable
Power DC Output Rating	5 VDC @ 3 A 12 VDC @ 33 A
Regulatory Compliances	
Emissions	EN 55022:2010, Class A EN 61000-3-2:2014, Class A EN 61000-3-3:2013 FCC Class A VCCI Class A CE Mark
Immunity	EN 55024:2010 IEC 61000-4-2/3/4/5/6/8/11
Safety	UL 60950-1/CSA C22 2 No. 60950-1 EN/IEC 60950-1 EN60850-1/IEC 60825-1

Installation precautions

Warnings

- The rack or cabinet should be adequately secured to prevent it from becoming unstable, tilting, or falling.
- Devices installed in a rack or cabinet should be mounted as low as possible, with the heaviest devices at the bottom and progressively lighter devices above.

Cautions

- Ensure the power source circuits are properly grounded, then use the power cord supplied with the switch to connect to the AC power source.
- If your installation requires a different power cord than the one supplied with the switch and/or power supply, be sure the cord is adequately sized for the switch's current requirements. In addition, be sure to use a power cord displaying the mark of the safety agency that defines the regulations for power cords in your country/region. The mark is your assurance that the power cord can be used safely with the switch and power supply.
- When installing the switch, the AC outlet should be near the switch and should be easily accessible in case the switch must be powered off.
- Ensure the switch does not overload the power circuits, wiring, and over-current protection. To determine the possibility of overloading the supply circuits, add together the ampere ratings of all devices installed on the same circuit as the switch and compare the total with the rating limit for the circuit. The maximum ampere ratings are usually printed on the devices near the AC power connectors.
- Do not install the switch in an environment where the operating ambient temperature exceeds its specification.
- Ensure the airflow around the switch is not restricted. Leave at least 7.6 cm (3 inches) for cooling.

For additional safety and regulatory information, and switch recycling information, refer to the safety and regulatory documentation on the Hewlett Packard Enterprise website at www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Power cords

Argentina	8121-0729
Australia/New Zealand	8121-0837
Brazil	8121-1071
Chile	8121-0735
China	8121-0943
Continental Europe	8121-0731
Denmark	8121-0733
India	8121-0564
Israel	8121-1004
Japan	8121-1143
Malaysia	8121-0739
Switzerland	8121-0738
South Africa	8121-0737
South Korea	8121-0731
Taiwan	8121-0964
Thailand	8121-0734
United Kingdom/Hong Kong/Singapore	8121-0739
United States/Canada/Mexico	8121-1141

WARNING



FOR INDOOR USE ONLY. The switch, AC power cord, and all connected cables are not designed for outdoor use.

CAUTION



Disconnect all power supply cords before servicing.
Débranchez tous les cordons d'alimentation avant
l'entretien.

Japan power cord warning

製品には、同梱された電源コードをお使い下さい。
同梱された電源コードは、他の製品では使用出来ません。

China altitude warning



仅适用于海拔 2000 米以下地区安全使用

Russia/Belarus/Kazakhstan/CEE safety



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