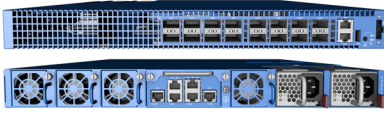# Quick Start Guide

Wedge-16X-AC / Wedge-16X-DC

Edge-corE ®

1. Unpack the Switch and Check Contents

Wedge-16X-AC
Wedge-16X-DC

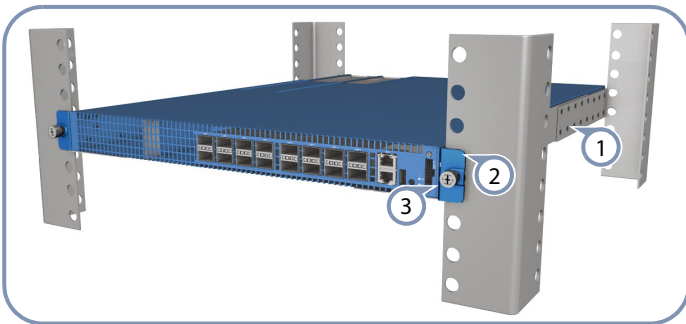Rack Mounting Kit—contains two brackets and eight M4 x 0.7 screws

Grounding Wire (included with DC PSUs only)

Documentation—*Quick Start Guide* (this document) and *Safety and Regulatory Information*

2. Mount the Switch

⚠️ **Caution:** Do not mount the switch using only the supplied brackets. The switch requires rack L-shape brackets (or a shelf) to be intalled in a 4-post rack before mounting.

① Based on your rack plan, install L-shape brackets (or a shelf) between the front and rear rack posts at the installation position in the rack.

② Attach the supplied brackets to each side of the switch.

③ Mount the switch in the rack, and then tighten the bracket thumb-screws to secure the switch in the rack.

3. Ground the Switch
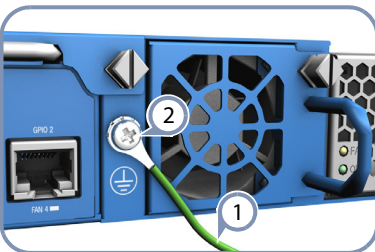
① Ensure the rack is properly grounded and in compliance with ETSI ETS 300 253. Verify that there is a good electrical connection to the grounding point on the rack (no paint or isolating surface treatment).

② Attach a lug (not provided with AC PSUs) to an 18 AWG minimum grounding wire (not provided with AC PSUs), and connect it to the grounding point on the switch rear panel. Then connect the other end of the wire to rack ground.

⚠️ **Caution:** The earth connection must not be removed unless all supply connections have been disconnected.

4. Connect Power
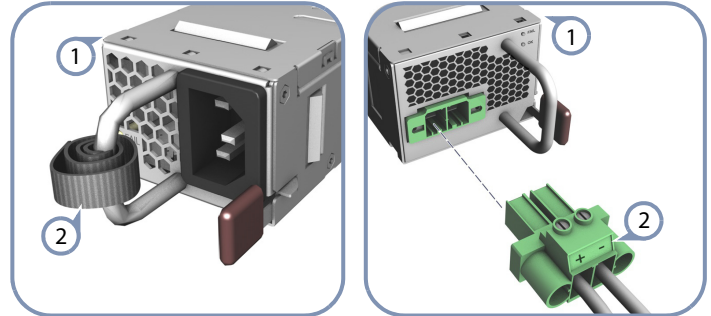
⚠️ **Warning:** Before wiring the DC plug or connecting power to the switch, ensure that power to the feed lines is turned off at the supply circuit breaker or disconnected from the power bus.

① Install two AC or two DC power modules in the switch.

② Connect an external AC or DC power source to the modules.
   ◆ For AC PSUs: Unwind the velcro strip before plugging in the AC power cord, and then use the velcro strip to secure the cord to the PSU.
   ◆ For DC PSUs: Connect the external power feed and power ground/return lines to the DC plug. The -42 VDC power feed connects to the "-" pin, and the ground/return to the "+" pin.

5. Verify Switch Operation
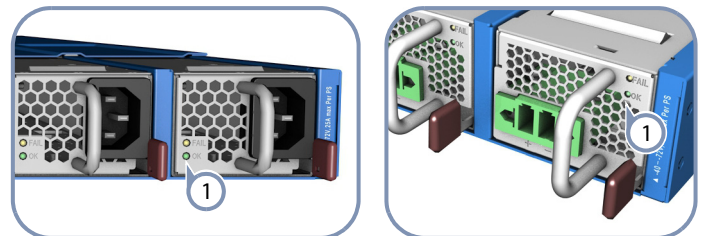
① Verify basic switch operation by checking the PSU LEDs.

When operating normally, the PSU OK LEDs should be on green and the FAIL LEDs off.

If a FAIL LED is on solid amber, the PSU has an over current, over voltage, under voltage, over temperature, or fan failure. Replace the PSU.

If a FAIL LED is blinking amber, there is an over temperature condition or a blocked (under speed) fan. Replace the PSU.

6. Connect Network Cables
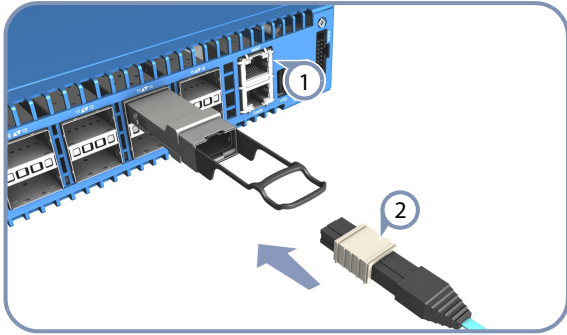
1.   For the RJ-45 Management port, connect 100-ohm Category 5, 5e or better twisted-pair cable.

2.   Connect network cables to QSFP+ interfaces:
   - If you are connecting fiber optic cables, first install QSFP+ fiber transceivers and then connect the fiber optic cabling to the transceiver ports.
   - If you are using twinax copper cables (DAC cables) for port connections, plug the QSFP+ transceivers on the end of the DAC cables directly into the QSFP+ slots.

Hardware Specifications

Switch Chassis

Size (WxDxH)	442 x 617 x 44 mm (17.40 x 24.29 x 1.73 inches)
Weight	9.85 kg (21.72 lb), with two installed PSUs
Temperature	Operating: 5° C to 45° C (41° F to 113° F) Storage: -40° C to 70° C (-40° F to 158° F)
Humidity	Operating: 5% to 95% (non-condensing)
Power Consumption	282 Watts maximum

AC Rating (Wedge-16X-AC)

AC Input	100–240 VAC, 50-60 Hz, 3 A

DC Rating (Wedge-16X-DC)

DC Input	-42 – -72 VDC, 6 A maximum

Regulatory Compliances

Emissions	EN 55022:2010, Class A EN 61000-3-2:2009, Class A EN 61000-3-3:2008 FCC Class A CE Mark VCCI Class A
Immunity	EN 55024:2010 IEC 61000-4-2/3/4/5/6/8/11
Safety	CSA 22.2 No 60950-1 & UL60950-1 IEC/EN60950-1