Manuals+ — User Manuals Simplified.

Edge-core AS9516-32D 32-Port 400G Ethernet Switch User Guide

Edge-core AS9516-32D 32-Port 400G Ethernet Switch User Guide

Quick Start Guide
32-Port 400G Ethernet Switch
AS9516-32D

Edge-corE ®
www.edge-core.com

www.edge-core.com

Contents

Package Contents

1. AS9516-32D switch
2. Rack mounting kit—2 front-post brackets, 2 rear-post brackets, 1 left and 1 right rear-post brackets ears, 20 screws, and 2 earlocking screws
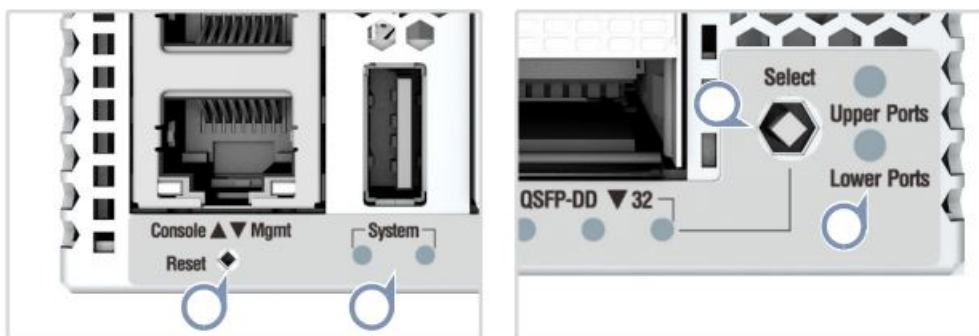
3. Power cord (x2)—either Japan, US, Continental Europe, UK or China

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

Overview

1. Management ports: 1000BASE-T RJ-45, RJ-45 Console, USB

2. System LEDs

3. 32 x 400G QSFP-DD ports

4. Port LED select button and status LEDs

5. Grounding screw

6. 2 x AC PSUs

7. 6 x fan trays

System LEDs/Buttons

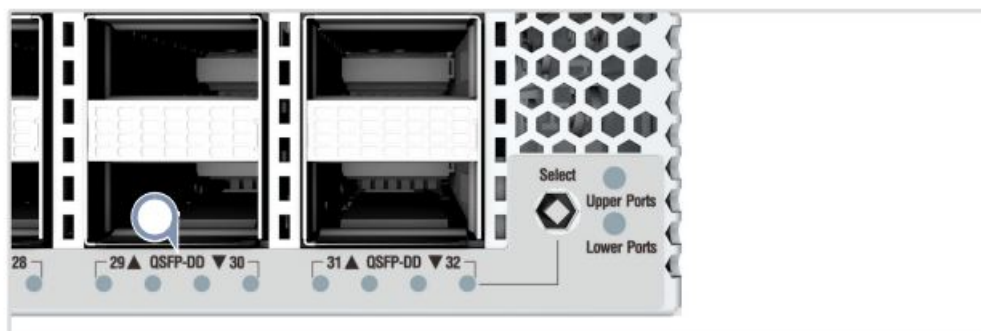**System (Left):** Green (system OK), Amber (system fault)
System (Right): Flashing Amber (switch locator)
Reset Button
Port Select Button: Selects LED display for upper or lower ports
Upper/Lower Ports: Green (selected)

Port LEDs

SFP-DD LEDs

400G: 1 LED Blue
200G Breakout: 1 LED White, 1-2
LEDs Green
100G Breakout: 1-4 LEDs Green
50G Breakout: 1 LED Cyan

RJ-45 Mgmt LEDs
Left: Green (link)
Right: Green (activity)

FRU Replacement

PSU Replacement

1. Remove the power cord.
2. Press the release latch and remove the PSU.
3. Install replacement PSU with matching airflow direction.

Fan Tray Replacement

1. Press the handle release latch.
2. Remove fan tray from the chassis.
3. Install replacement fan with matching airflow direction.

*1 5 0 2 0 0 0 0 2 4 0 1 A   R 0 1 *

Installation

⚡ **Warning**: For a safe and reliable installation, use only the accessories and screws provided with the device. Use
of other accessories and screws could result in damage to the unit. Any damages incurred by using unapproved accessories are not covered by the warranty.

⚠ **Caution**: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the manufacturer's instructions.

⚠ **Caution**: The switch includes plug-in power supply (PSU) and fan tray modules that are installed into its chassis. Make sure all installed modules have a matching airflow direction (front-toback or back-to-front)
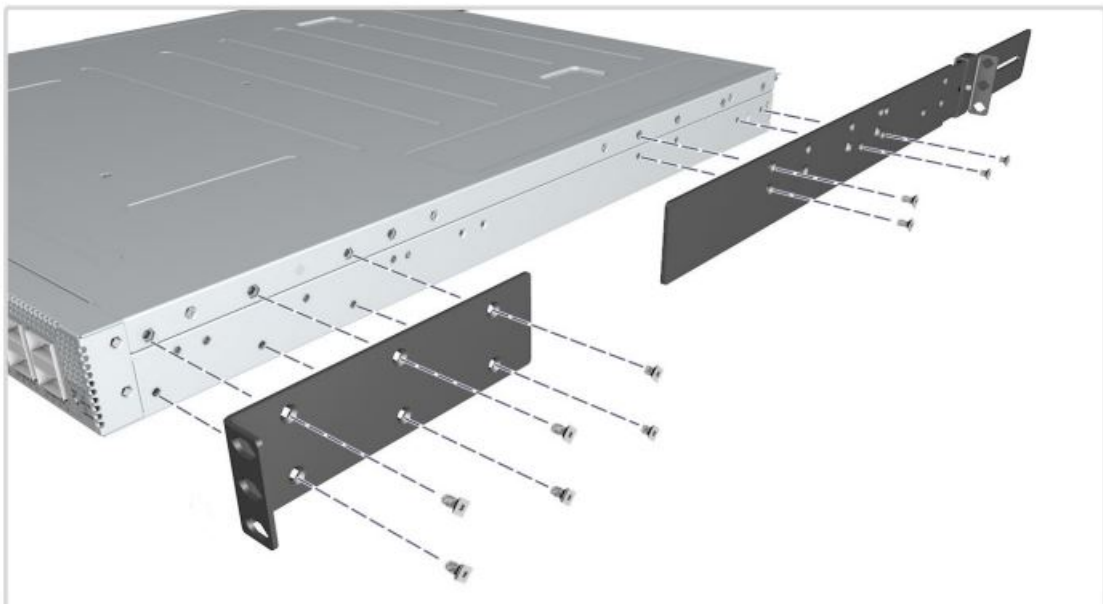
ℹ Note: The switch has the Open Network Install Environment (ONIE) software installer preloaded on the switch, but no switch software image. Information about compatible switch software can be found at **www.edge-core.com**.
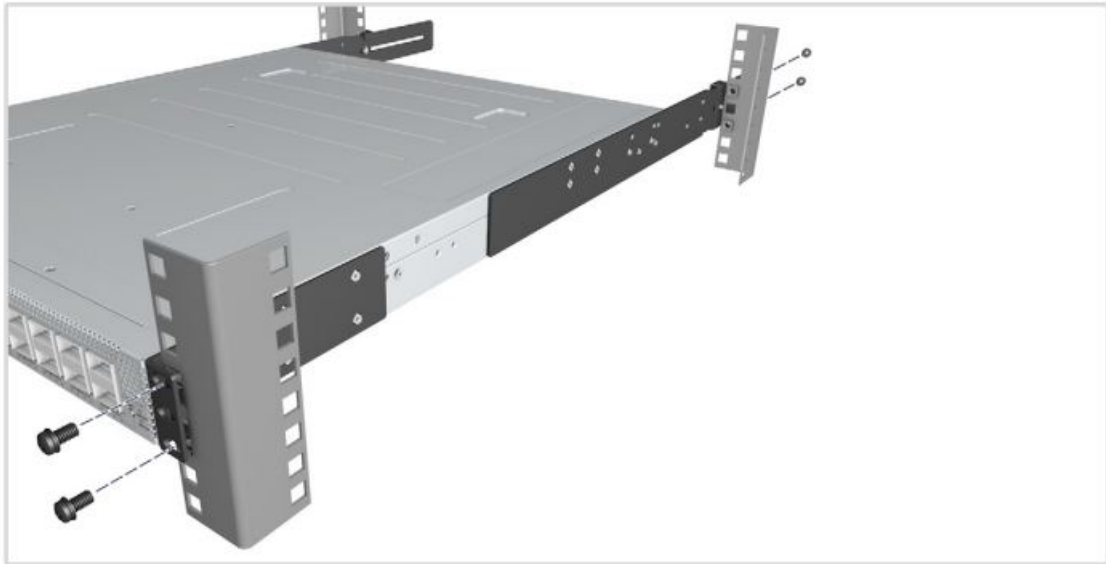
1. **Mount the Switch**

⚠ **Caution**: This device must be installed in a telecommunications room or a server room.
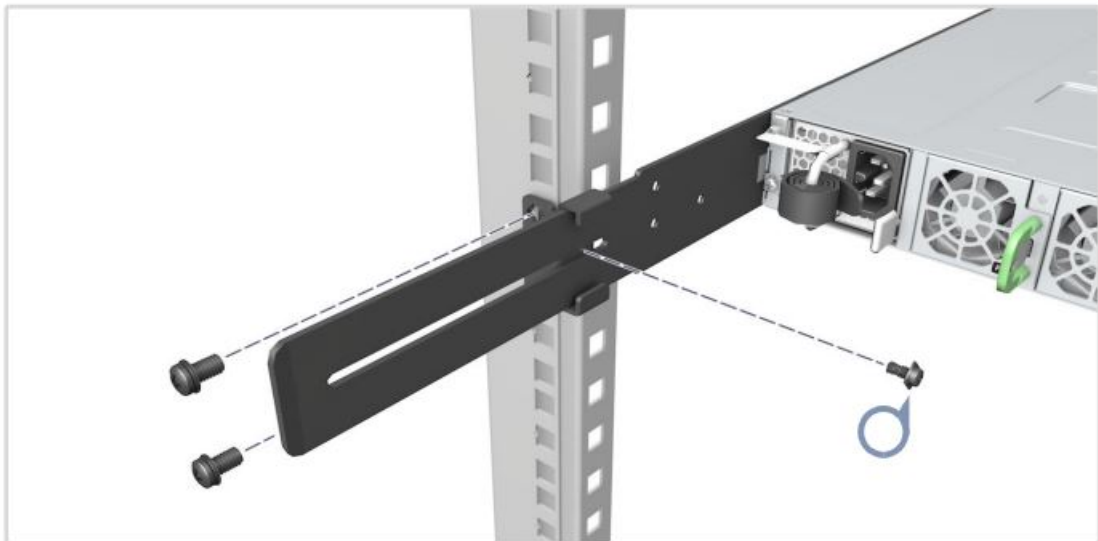

1. Attach the Brackets

Use the included screws to attach the front- and rear-post brackets.
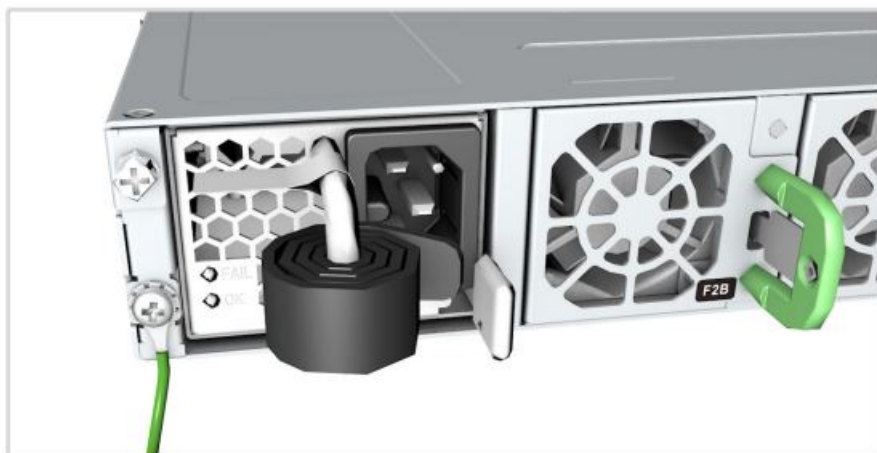
2. Mount the Switch

Mount the switch in the rack and secure it with rack screws.

3. Lock the Rear-Post Brackets

Use the included screws to lock the position of the rear-post brackets.

2. **Ground the Switch**

Verify Rack Ground

Ensure the rack on which the switch is to be mounted 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
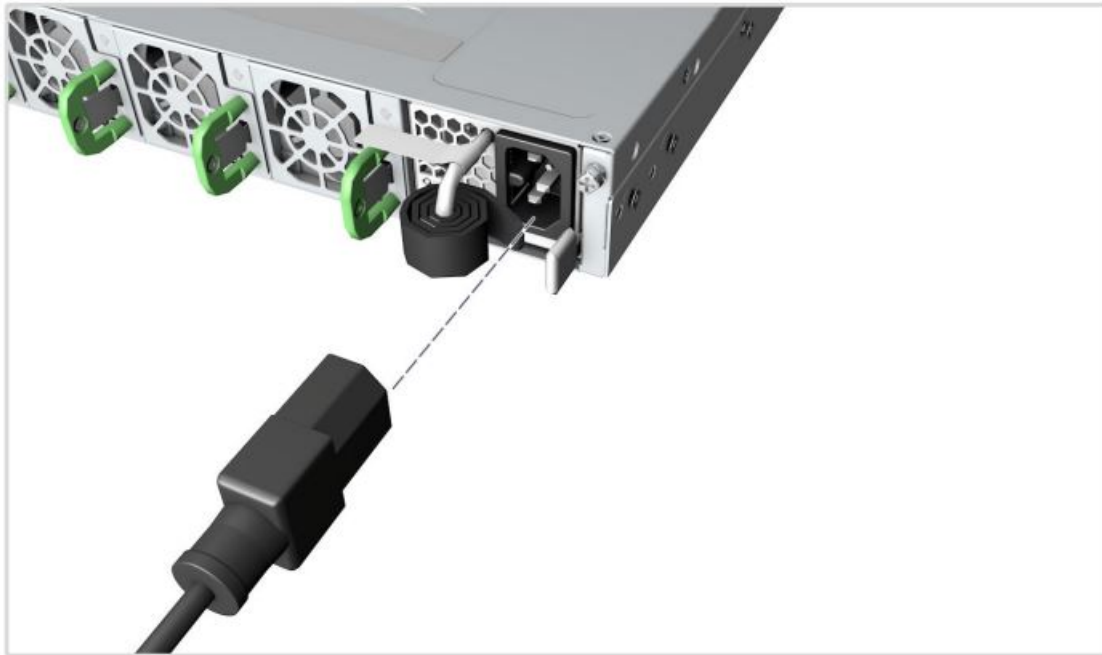
isolating surface treatment).

Attach Grounding Wire

Attach a lug (not provided) to a #14 AWG minimum grounding wire (not provided), 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 chassis ground connection must not be Make Management Connections removed unless all supply connections have been disconnected.
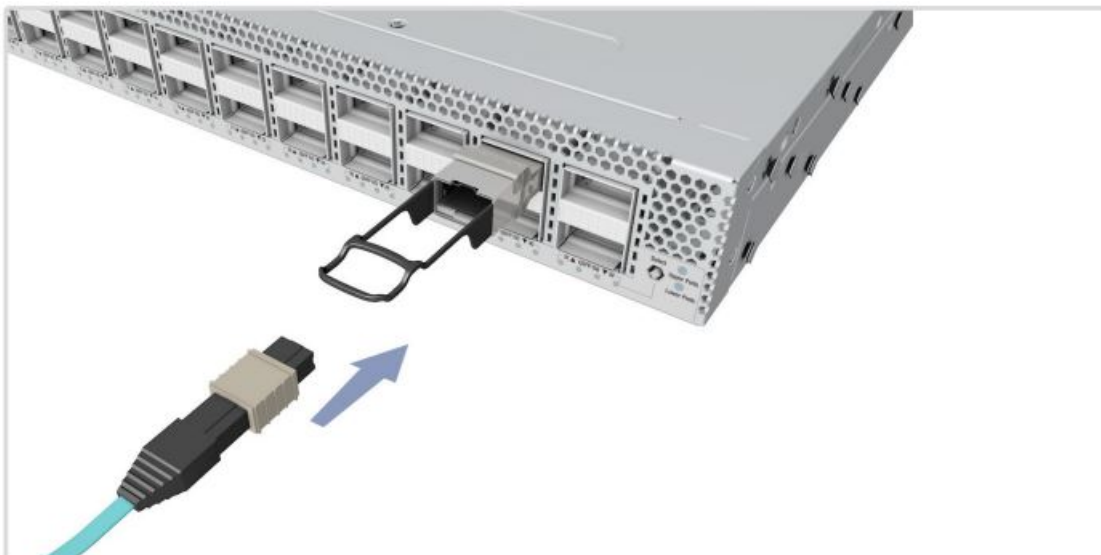
3. **Connect Power**

Install two PSUs and connect them to an AC power source.

⚠ **Caution**: Use the AC power cord supplied with the switch. For International use, you may need to change the AC line cord. You must use line cord sets that have been approved for the socket type in your country.

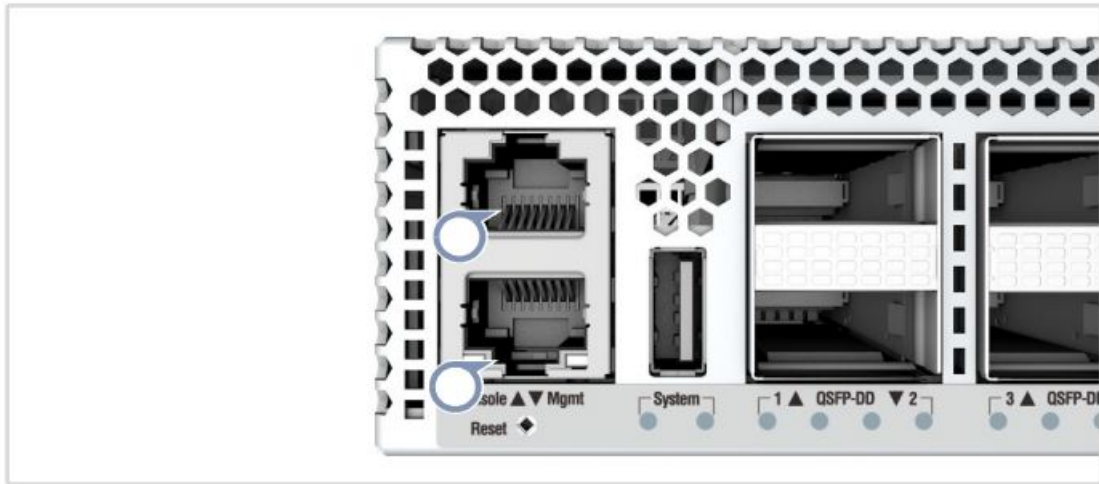4. **Make Network Connections**

QSFP-DD Ports

Install transceivers and then connect fiber optic cabling to the transceiver ports.

Alternatively, connect DAC or AOC cables directly to the QSFP-DD slots.

5. **Make Management Connections**

RJ-45 Console Port

Connect the included console cable and then configure the serial connection: 115200 bps, 8 characters, no parity, one stop bit, 8 data bits, and no flow control.

10/100/1000M RJ-45 Management Port

Connect Cat. 5e or better twisted-pair cable.

Hardware Specifications

Switch Chassis

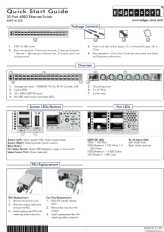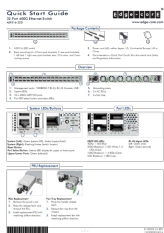|	
Size (WxDxH)	440 x 509 x 44 mm (17.32 x 20.04 x 1.73 inches)
Weight	11.35 kg (25.02 lb)
Temperature	Operating: 0° C to 40° C (32° F to 104° F) Storage: -40° C to 70° C (-40° F to 158° F)
Humidity	Operating: 10% to 90% (non-condensing)
Airflow	Front-to-back airflow 134 CFM at 100% fan speed
Power Consumption	1150 Watts maximum

AC 1500W PSU

AC Input	100–240 VAC, 50/60 Hz, 12–7 A

Regulatory Compliances

Emissions	EN 55032:2015+A11:2020, Class A EN 61000-3-2:2014, Class A EN 61000-3-3:2013 EN 300 386 V2.1.1 (2016-07) FCC Class A VCCI Class A CISPR 32:2015 AS/NZS CISPR 32:2015+AMD 1: 2020 Class A KCC CCC GB/T9254-2008 (Class A) BSMI Class A, CNS 13438
Immunity	EN 55024:2010+A1:2015 EN 55035:2017 IEC 61000-4-2/3/4/5/6/8/11
Safety	CAN/CSA C22.2 No. 62368-1 & UL 62368-1 IEC/EN 62368-1 & IEC/EN 60950-1 CCC GB4943.1-2011 BSMI, CNS 14336-1
Taiwan RoHS	CNS 15663
China RoHS	SJ/T 113(EU) 2015/86364-2014, GB/T 26572-2011
EU RoHS	Directive 2011/65/EU, (EU) 2015/863

Documents / Resources

	Edge-core AS9516-32D 32-Port 400G Ethernet Switch [pdf] User Guide AS9516-32D, 32-Port 400G Ethernet Switch, AS9516-32D 32-Port 400G Ethernet Switch, 400 G Ethernet Switch, Ethernet Switch
	Edge-Core AS9516-32D 32 Port 400G Ethernet Switch [pdf] User Guide AS9516-32D 32 Port 400G Ethernet Switch, AS9516-32D, 32 Port 400G Ethernet Switch, Ethernet Switch, Switch

References

- 🌐 **CoreComm | Internet & Web Hosting Solutions**
- 🟥 **Edgecore Networks**

Manuals+,