



Edge-core AS9716-32D 32 Port 400G Data Center Spine Switch User Guide

[Home](#) » [Edge-core](#) » Edge-core AS9716-32D 32 Port 400G Data Center Spine Switch User Guide 

Contents

- [1 Edge-core AS9716-32D 32 Port 400G Data Center Spine Switch](#)
- [2 Package Contents](#)
- [3 Overview](#)
- [4 System LEDs/Buttons](#)
- [5 Port LEDs](#)
- [6 FRU Replacement](#)
- [7 Airflow Reversal](#)
- [8 Installation](#)
- [9 Mount the Switch](#)
- [10 Connect Power](#)
- [11 Make Network Connections](#)
- [12 Hardware Specifications](#)
- [13 FAQ](#)
- [14 Documents / Resources](#)
 - [14.1 References](#)
- [15 Related Posts](#)



Edge-core AS9716-32D 32 Port 400G Data Center Spine Switch



Package Contents



1



2



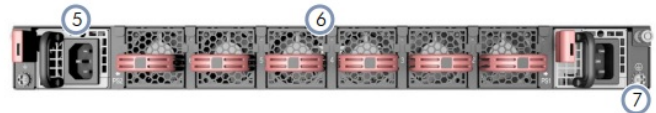
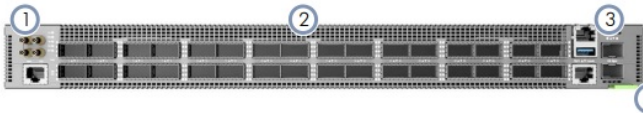
3



4

1. 32-Port 400G Data Center Spine Switch AS9716-32D
2. Rack mounting kit—2 front-post brackets, 2 rear-post brackets, 20 screws, and 2 ear-locking screws
3. Power cord (included with AC PSUs only)
4. Console cable—RJ-45 to DE-9
5. Documentation—Quick Start Guide (this document) and Safety and Regulatory Information

Overview



1. Timing ports: 10 MHz, 1PPS, ToD
2. 32 x 400G QSFP-DD ports
3. Management ports: 1 x 1000BASE-T RJ-45, 2 x 10G SFP+, RJ-45 console, USB
4. Product label
5. 2 x AC PSUs
6. 6 x fan trays
7. 2 x grounding screws

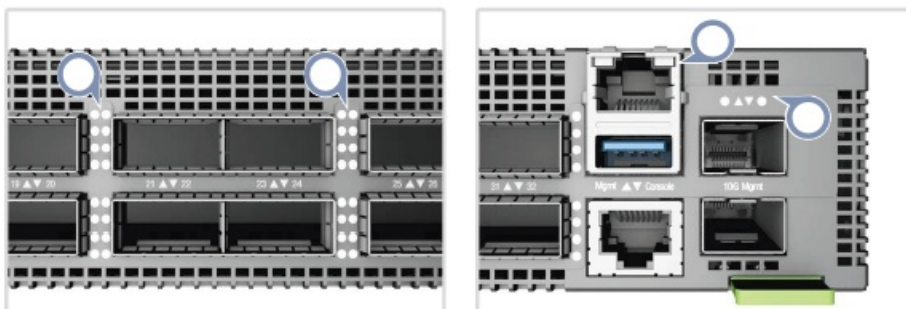
System LEDs/Buttons

- PS1/PS2: Green (OK), Amber (fault)
- Diag: Green (OK), Amber (no OS or fault)
- Fan: Green (OK), Amber (fault)
- Loc: Flashing Amber (switch locator) Reset Button



Port LEDs

- QSFP-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
- SFP+ 10G Mgmt
- LEDs Green (10G)
- Amber (1G)
- RJ-45 Mgmt LED Green (link/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.

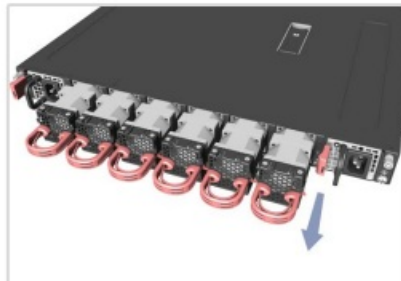
Fan Tray Replacement



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

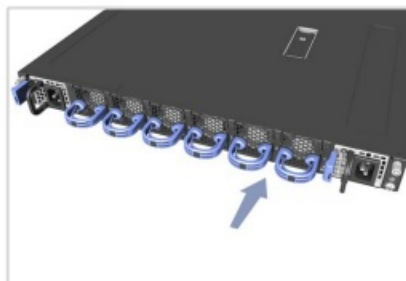
Airflow Reversal

1.



F2B Airflow

Remove front-to-back (F2B) airflow fan trays (red handles) and PSUs (red release latches).



2. B2F Airflow

Install back-to-front (B2F) airflow fan trays (blue handles) and PSUs (blue release latches).

Installation

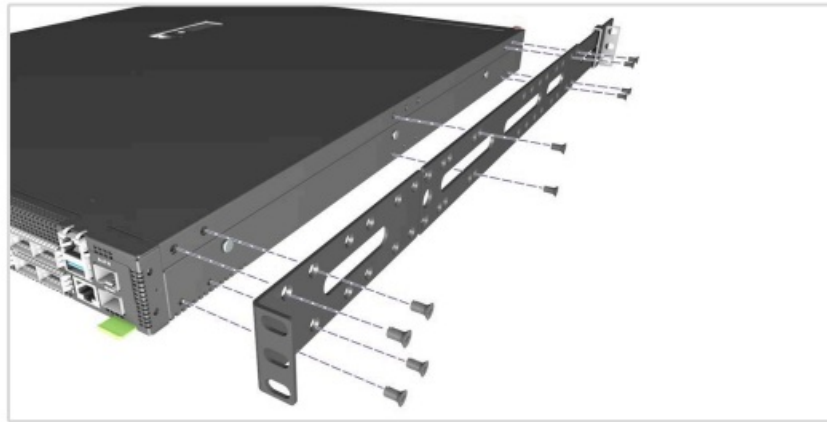
- **Warning:** For a safe and reliable installation, use only the accessories and screws provided with the AS9716-32D. Use of other accessories and screws could result in damage to the unit. Any damages incurred by using unapproved accessories are not covered by the warranty.
- **Caution:** The switch 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-to-back or back-to-front).
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.

Note: The switch drawings in this document are for illustration only and may not match your particular switch

model.

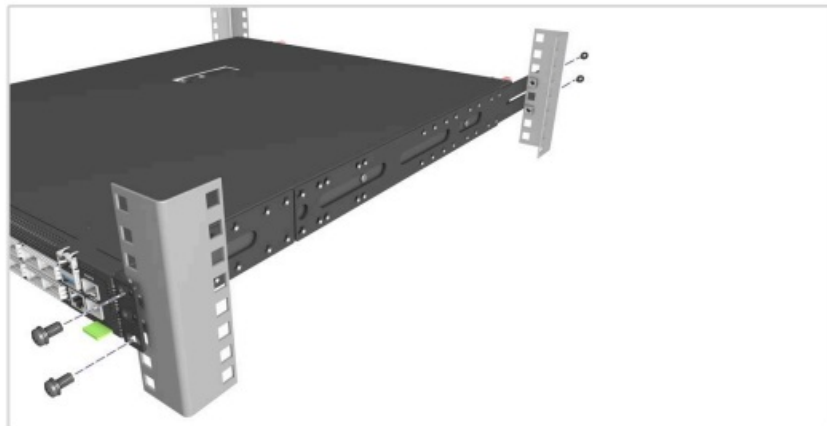
Mount the Switch

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



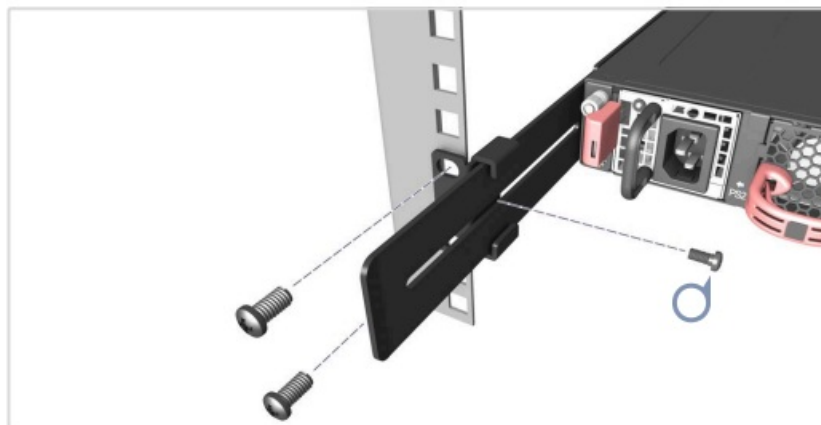
1. Attach the Brackets

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



2. Mount the Switch

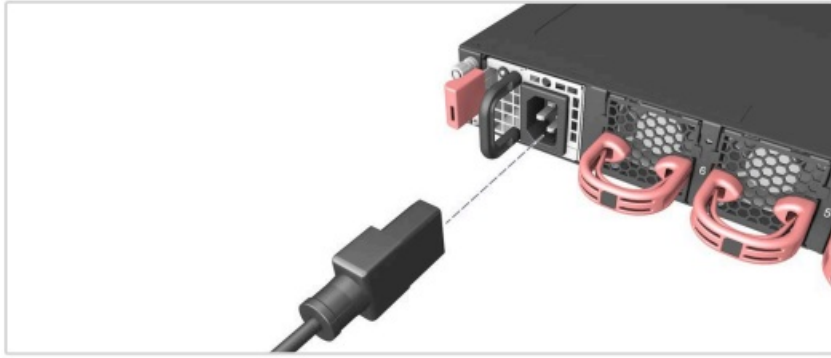
Mount the switch in the rack and secure it with rack screws.



3. Lock the Rear-Post Brackets

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

Connect Power



AC Power

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

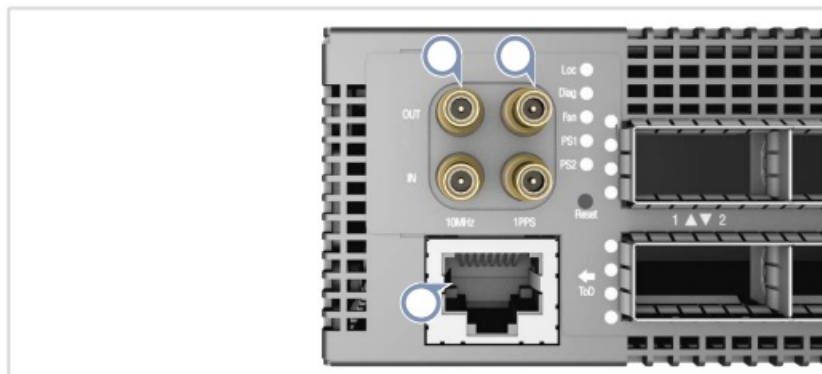
Make Network Connections



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.

Connect Timing Ports



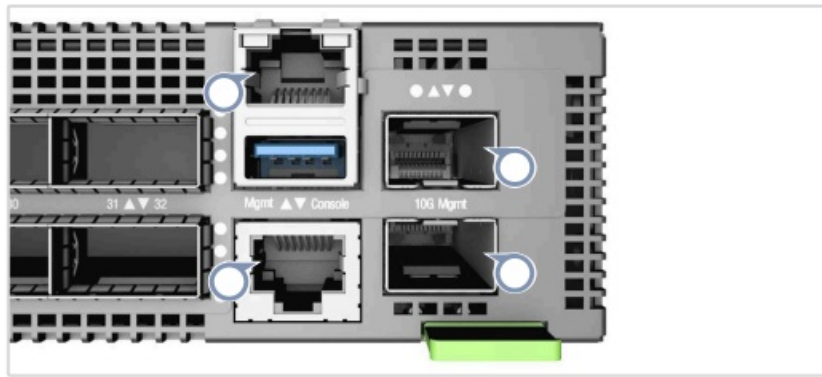
1PPS and 10 MHz Ports

Use coax cables to connect the 1-pulse-per-second (1PPS) and 10 MHz IN/OUT ports to other synchronized devices.

ToD Port

Use a shielded cable to connect the Time-of-Day (ToD) port to other devices that use ToD synchronization signals.

Make Management Connections



- 10/100/1000M RJ-45 Management Port Connect Cat. 5e or better twisted-pair cable.
- 10G SFP+ Management Ports
- Install transceivers and then connect fiber optic cabling to the transceiver ports.

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.

Hardware Specifications

- Switch Chassis
- Size (WxDxH) 438.4 x 536 x 43.1 mm (17.26 x 21.1 x 1.7 in.)
- Weight 11.06 kg (24.38 lb), with 2 PSUs and 6 fans installed
- Temperature Operating: 0° C to 45° C (32° F to 113° F)
- Storage: -40° C to 70° C (-40° F to 158° F)
- Humidity Operating: 5% to 95% (non-condensing)
- Power Consumption 1300 Watts maximum

AC PSU

- Input Power 100–120 VAC, 50–60 Hz, 12 A max.
- Rating 200–240 VAC, 50–60 Hz, 7.5 A max. 190–310 VDC, 8–5 A

Regulatory Compliances

- Emissions EN 55032 Class A
- EN 61000-3-2
- EN 61000-3-3
- FCC Class A
- VCCI Class A
- BSMI Class A
- ICES-003 Class A
- AS/NZS CISPR32 Class A
- Immunity EN 55024/55035
- IEC 61000-4-2/3/4/5/6/8/11

- Safety UL (CSA 22.2 No 62368-1 & UL62368-1) CB (IEC/EN60950-1 & IEC/EN 62368-1) BSMI CNS15598-1

FAQ


- **Q: Where can I find compatible switch software for AS9716-32D?**

A: Information about compatible switch software can be found at www.edge-core.com.

- **Q: How do I connect timing ports for synchronization?**

A: Use coax cables to connect the 1PPS and 10 MHz ports to other synchronized devices. Use a shielded cable for the ToD port.

Documents / Resources

	<p>Edge-core AS9716-32D 32 Port 400G Data Center Spine Switch [pdf] User Guide AS9716-32D, AS9716-32D 32 Port 400G Data Center Spine Switch, 32 Port 400G Data Center Spine Switch, 400G Data Center Spine Switch, Center Spine Switch, Spine Switch, Switch</p>
---	--

References

- [Edgecore Networks – Edgecore Networks, a leading provider of traditional and open network solutions, delivers wired and wireless networking products and solutions through channel partners and system integrators worldwide for data center, service provider.](#)
- [User Manual](#)

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.