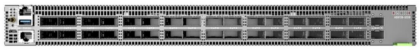
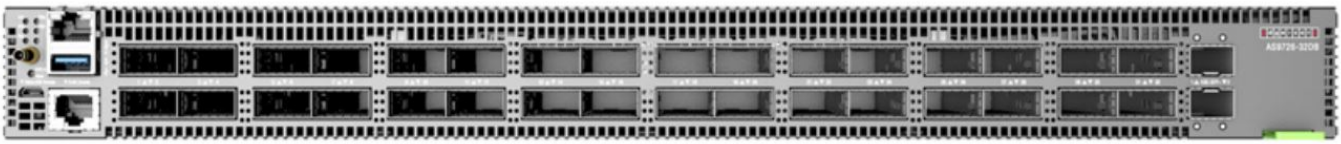


Edge-core AS9726-32DB 32-Port 400G Data Center Spine Switch User Guide

Contents

Edge-core AS9726-32DB 32-Port 400G Data Center Spine Switch



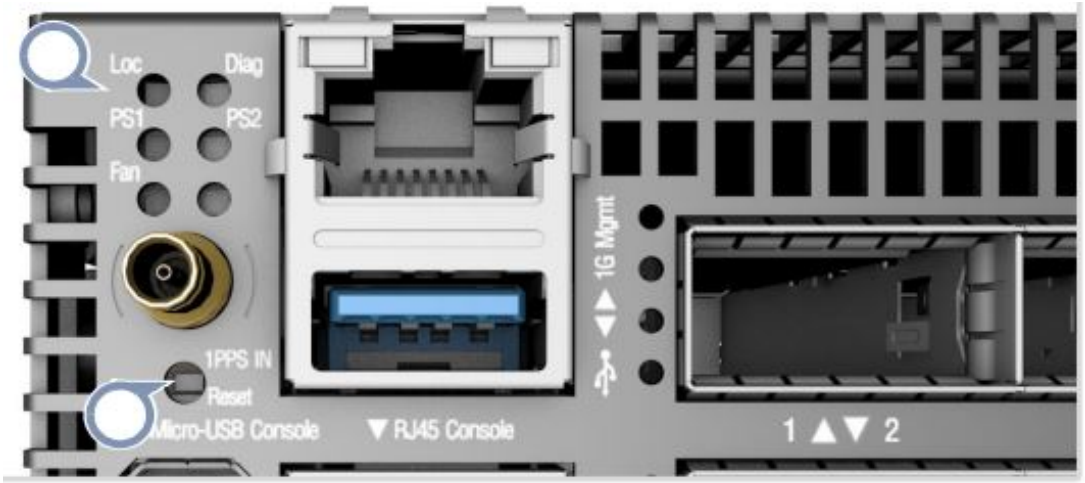
Package Contents

1. 32-Port 400G Data Center Spine Switch AS9726-32DB
2. Rack mounting kit—2 front-post brackets, 2 rear-post brackets and ears, 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

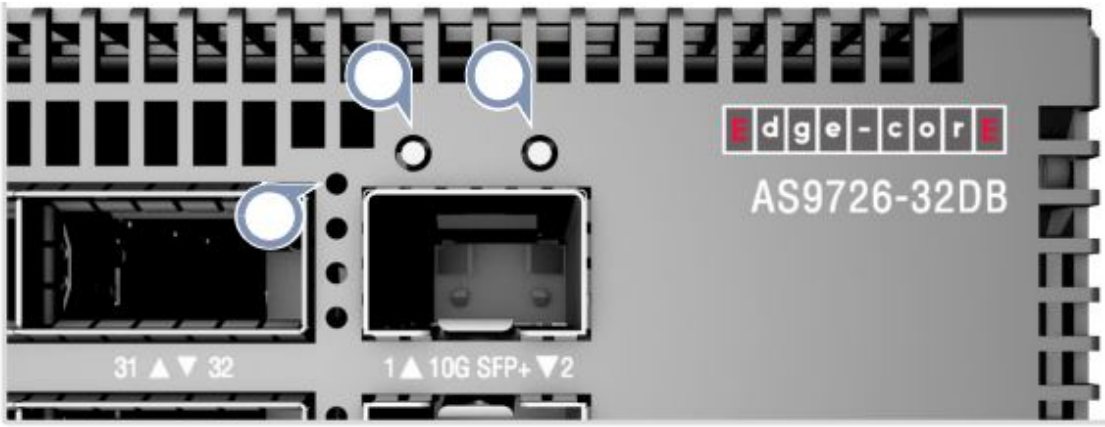
1. System LEDs and 1PPS timing port
2. Management Ports: 1 x 1000BASE-T RJ-45, micro-USB/RJ-45 console, USB
3. 32 x 400G QSFP-DD ports
4. 2 x 10G SFP+ ports
5. Product label
6. 2 x grounding screws (maximum torque 10 kgf-cm (8.7 lb-in))
7. 2 x AC PSUs
8. 6 x fan trays

System LEDs/Buttons



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

Port LEDs



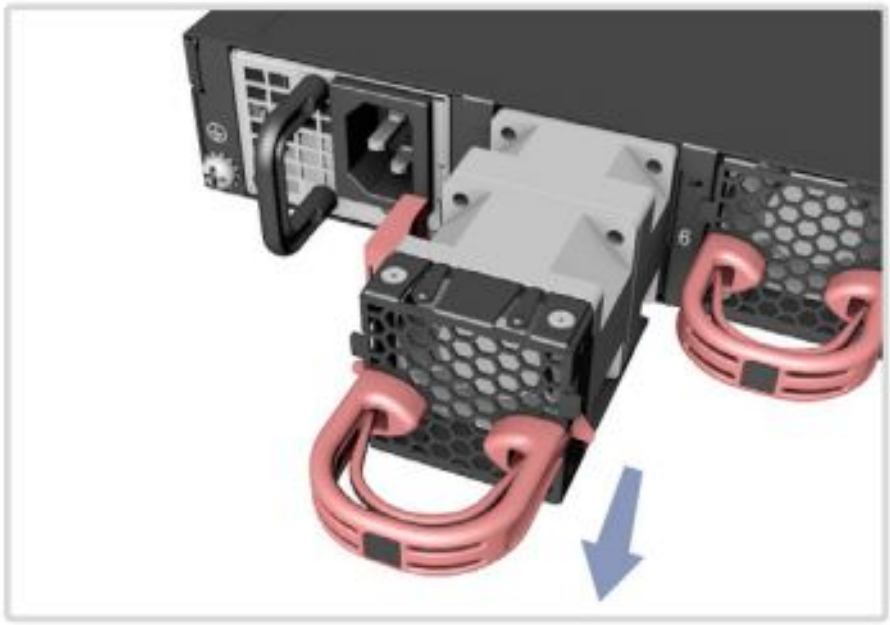
QSFP-DD LEDs
400G: 1 LED Blue
200G Breakout: 1 LED White, 1-2 LEDs Green
100G Breakout: 1-4 LEDs
Green 50G Breakout: 1 LED Cyan
SFP+ 10G LEDs
Left: Green (link)
Right: Green (10G), Amber (1G) RJ-45 Mgmt LEDs
Left: Green (link)
Right: Green (activity)

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

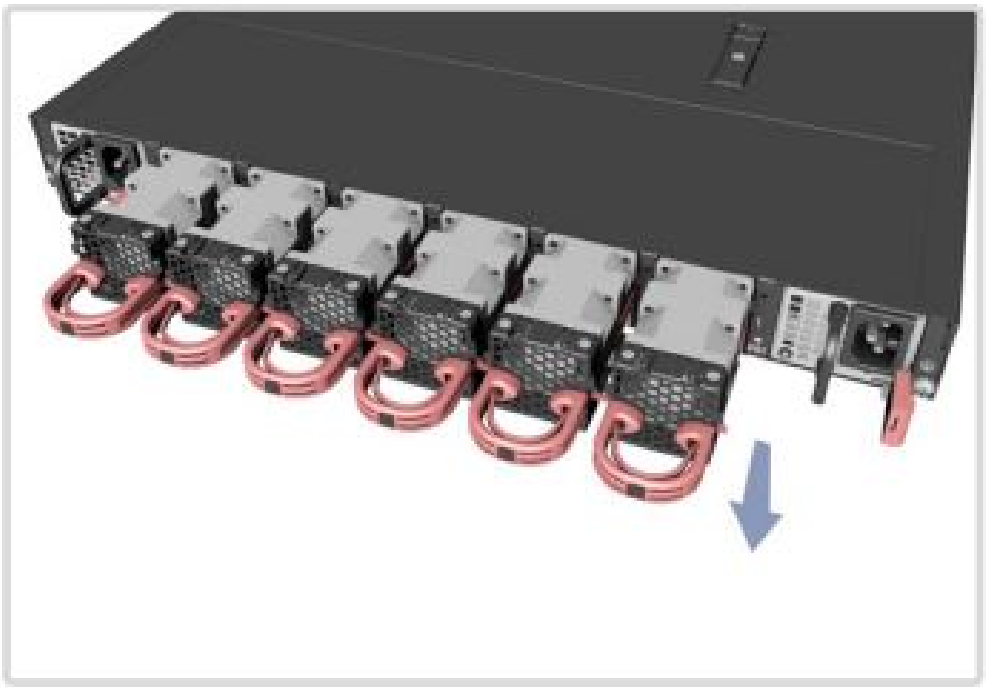


1. Pull the handle release latch.
2. Remove fan tray from the chassis.
3. Install replacement fan with matching airflow direction.

Airflow Reversal

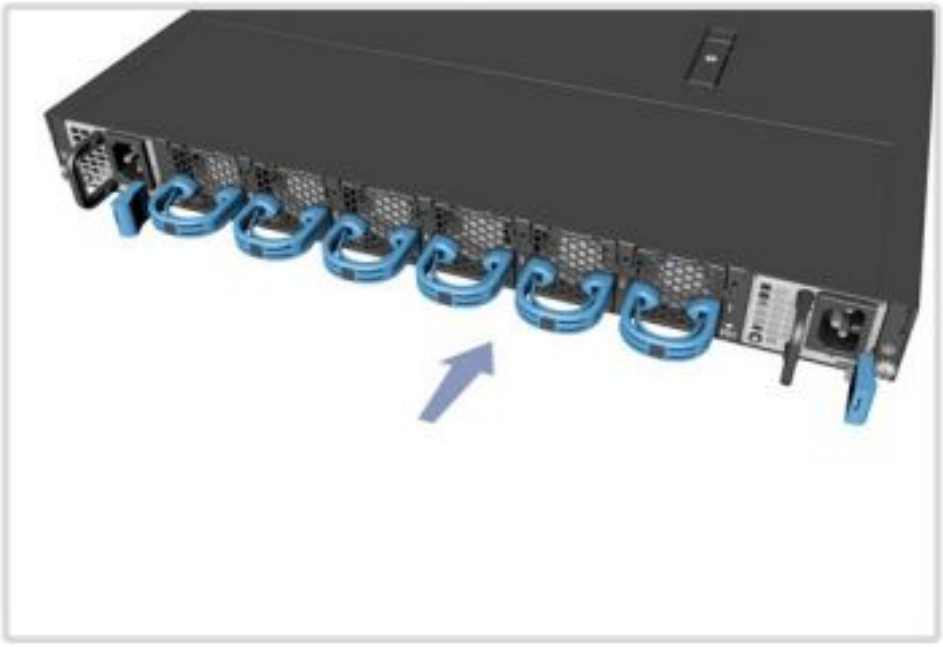
1. **F2B Airflow**

   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).

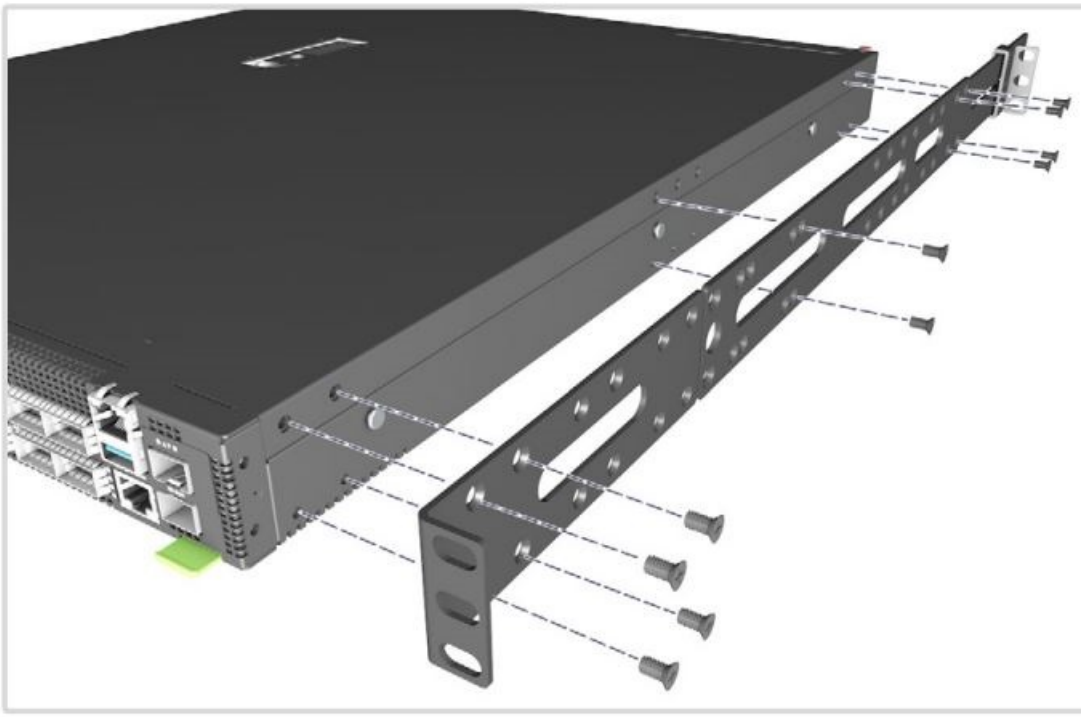


Installation

Warning: For a safe and reliable installation, use only the accessories and screws provided with the 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: 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.

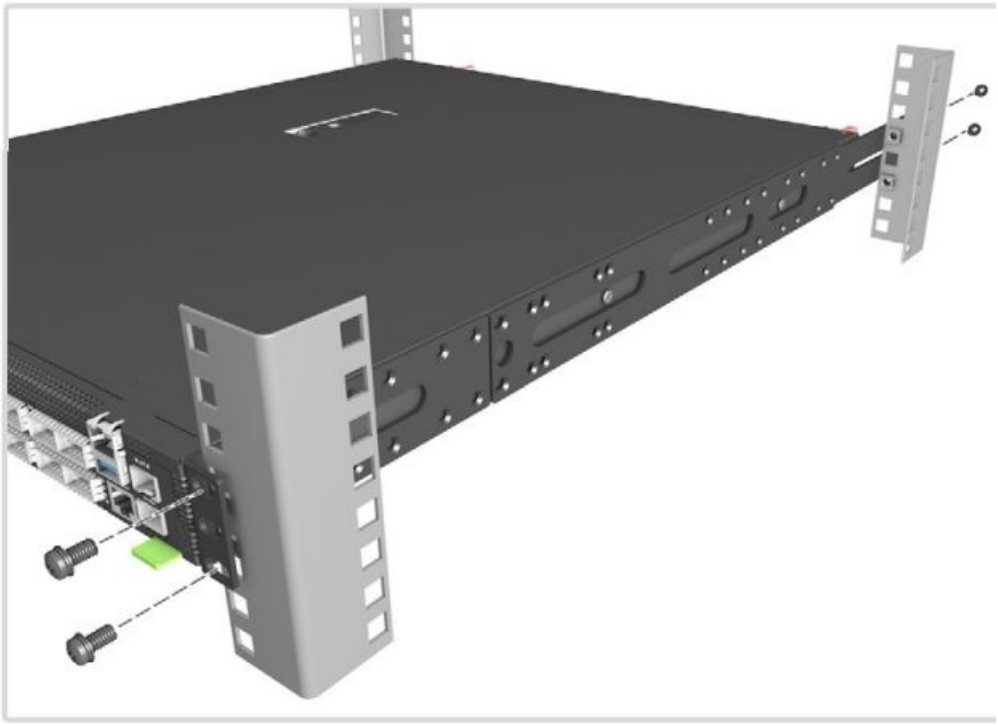
Mount the Switch

Caution: This device must be installed in a telecommunications room or a server room where only qualified personnel have access.



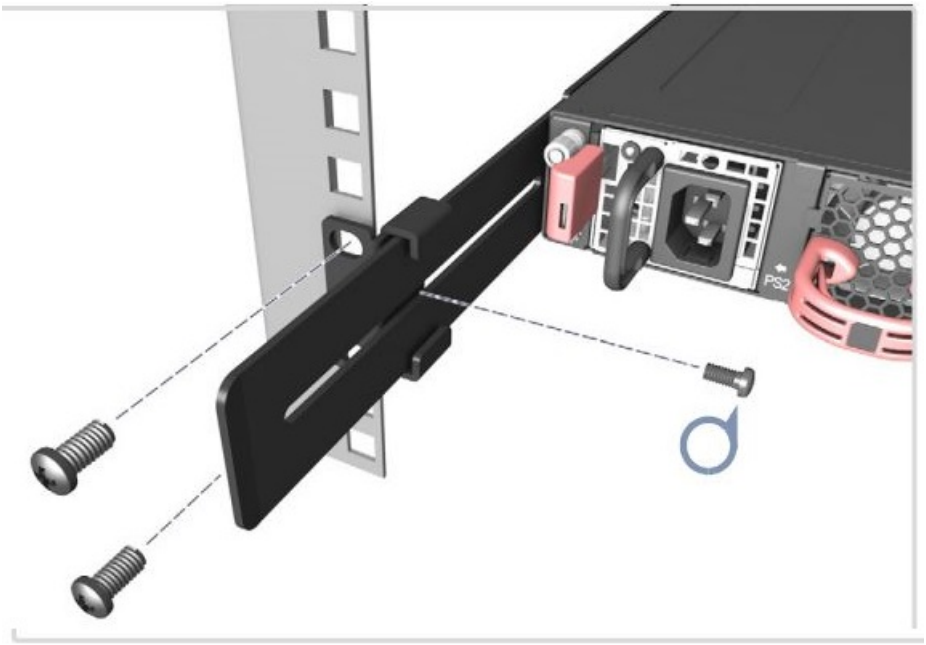
1. **Attach the Brackets**

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



2. **Mount the Switch**

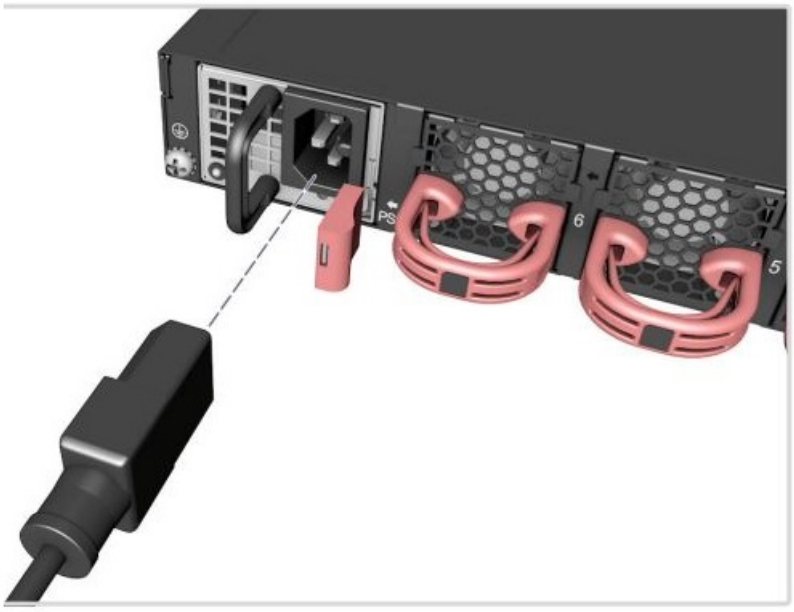
   Mount the switch in the rack and secure it with rack screws.



3. **Lock the Rear-Post Brackets**

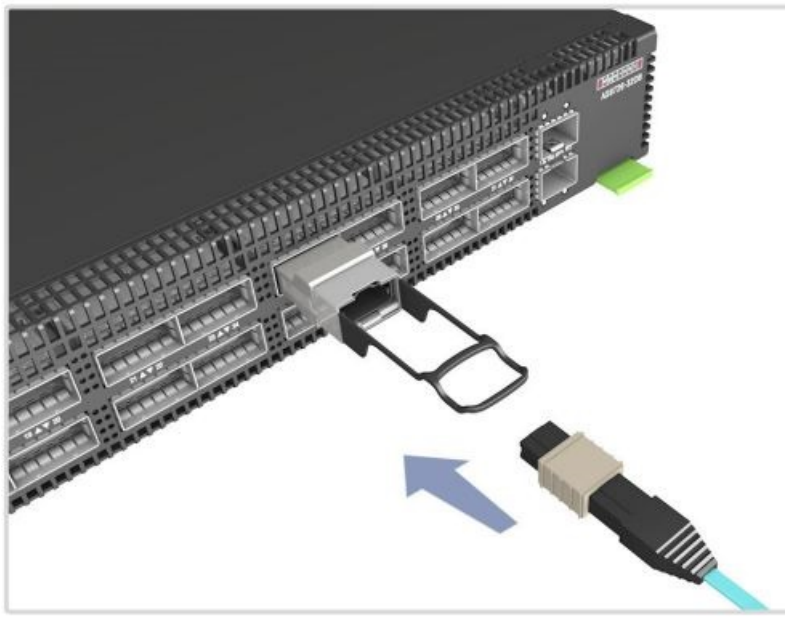
   Use the included screws to lock the position of the rear-post brackets.

Connect Power



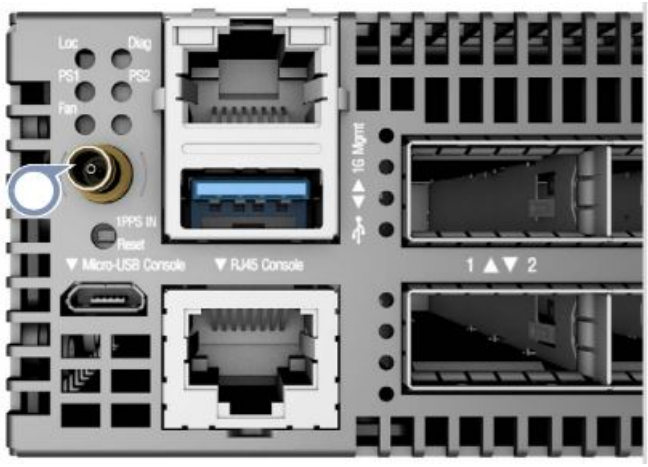
AC Power
Install one or two AC PSUs and connect them to an AC power source.
Note: When using only one AC PSU to power a fully loaded system, be sure to use a high-voltage source (220-240 VAC).

Make Network Connections



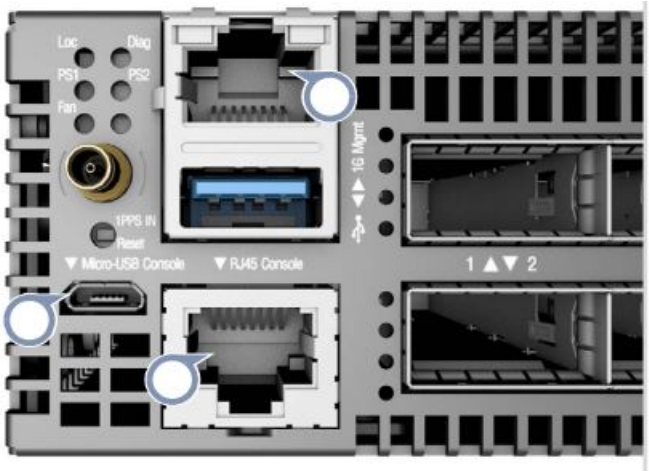
400G QSFP-DD Ports and 10G SFP+ Ports
Install transceivers and then connect fiber optic cabling to the transceiver ports. Alternatively, connect DAC or AOC cables directly to the slots.

Connect Timing Ports



1PPS IN Port
Use a coax cable to connect the 1-pulse-per-second (1PPS) input port to another synchronized device.

Make Management Connections

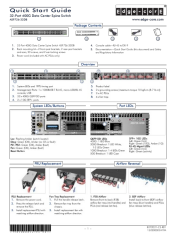


10/100/1000M RJ-45 Management Port
Connect Cat. 5e or better twisted-pair cable.
Micro-USB and RJ-45 Console Ports
Connect the included console cable and then configure the serial connection: 115200 bps, 8 characters, no parity, one stop bit, 8 data bits, and no flow control. (The Micro-USB console connection takes priority over the RJ-45 console connection.)

Hardware Specifications

Switch Chassis
Size (WxDxH): 438.4 x 590 x 43.5 mm (17.26 x 23.23 x 1.71 in.)
Weight: 11.85 kg (26.12 lb), with 2 PSUs and 6 fans installed
Temperature: Operating (F2B): 0° C to 45° C (32° F to 113° F); **Operating (B2F):** 0° C to 35° C (32° F to 95° 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 Rating: 100–127 VAC, 50/60 Hz, 12 A max. 220–240 VAC, 50/60 Hz, 8 A max. 210–310 VDC, 8.5–6 A
Regulatory Compliances
Emissions: EN 55032:2015+AC:2016, Class A; EN 61000-3-2:2014, Class A; EN 61000-3-3:2013; FCC Class A
Immunity: EN 55035:2017; EN 55024:2010+A1:2015; 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)

Documents / Resources

	Edge-core AS9726-32DB 32-Port 400G Data Center Spine Switch [pdf] User Guide AS9726-32DB 32-Port 400G Data Center Spine Switch, AS9726-32DB, 32-Port 400G Data Center Spine Switch

References

- Edgecore Networks