



Edge-corE AS9926-24D/AS9926-24DB Network Fabric Switch User Guide

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Edge-corE AS9926-24D/AS9926-24DB Network Fabric Switch

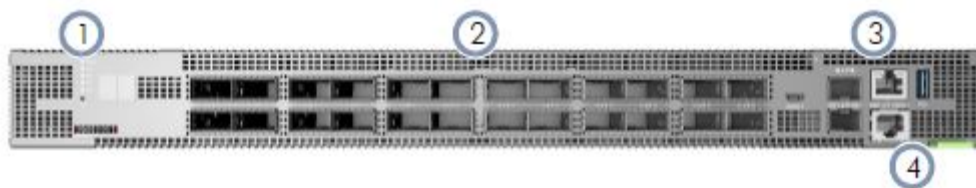


Package Contents

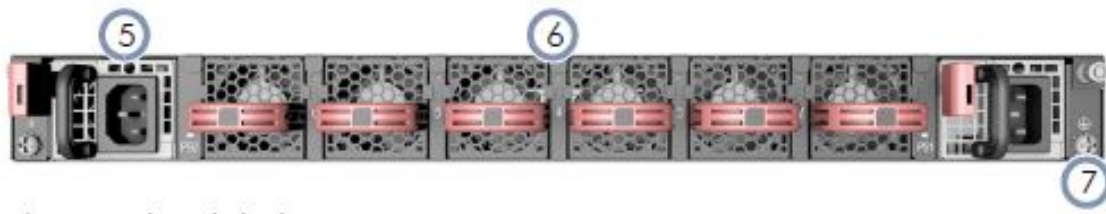


1. Network Fabric Switch
2. Rack mounting kit—2 front-post brackets, 2 rear-post brackets, 20 screws, and 2 ear-locking screws
3. Power cord
4. Ring lugs (x4) (included with DC PSUs only)
5. Console cable—RJ-45 to DE-9
6. Documentation—Quick Start Guide (this document) and Safety and Regulatory Information

Overview



1. System LEDs
2. 24 x 400G QSFP-DD ports
3. Management ports: 1 x 1000BASE-T RJ-45, 2 x 10G SFP+, RJ-45/USB console, USB
4. Product label



5. 2 x AC/DC PSUs
6. 6 x fan trays
7. 2 x grounding screws

System LEDs/Buttons

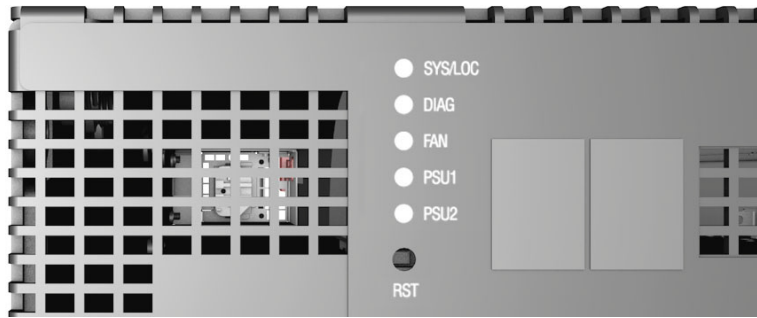
SYS/LOC: Flashing Amber (switch locator)

DIAG: Green (OK), Amber (no OS or fault)

FAN: Green (OK), Amber (fault)

PSU1/PSU2: Green (OK), Amber (fault)

RST (reset) Button



Port LEDs

QSFP-DD LEDs

400G: 1 LED Blue

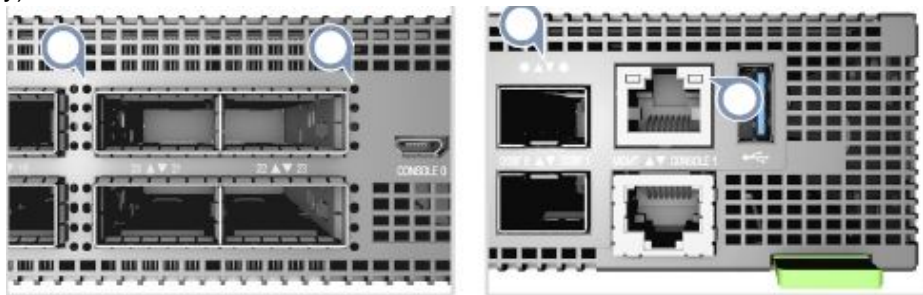
SFP+ 10G OOBF LEDs

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.



Installation

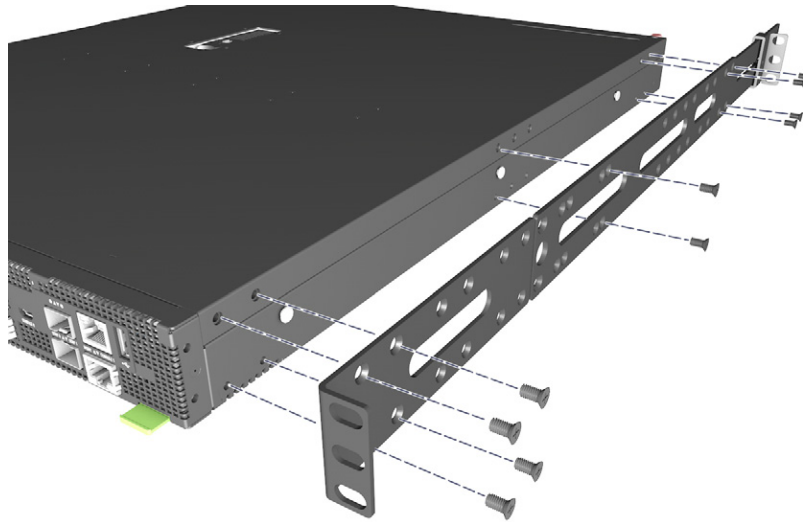
Mount the Switch

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

Attention: Cet appareil doit être installé dans une salle de télécommunication ou une salle de serveur.

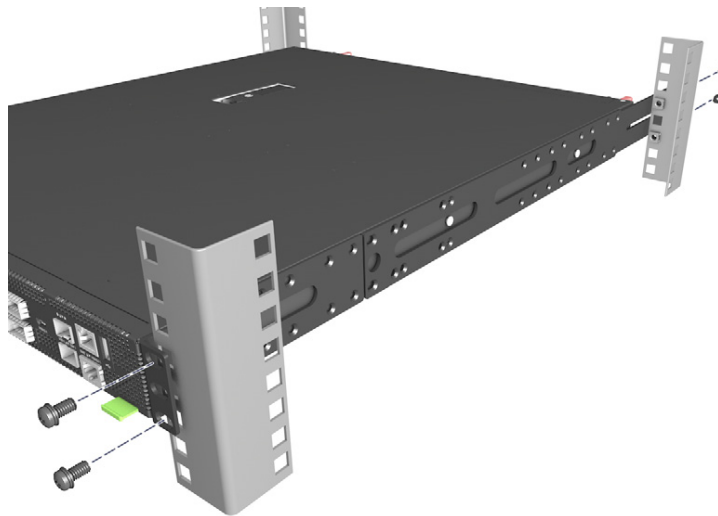
1. Attach the Brackets

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



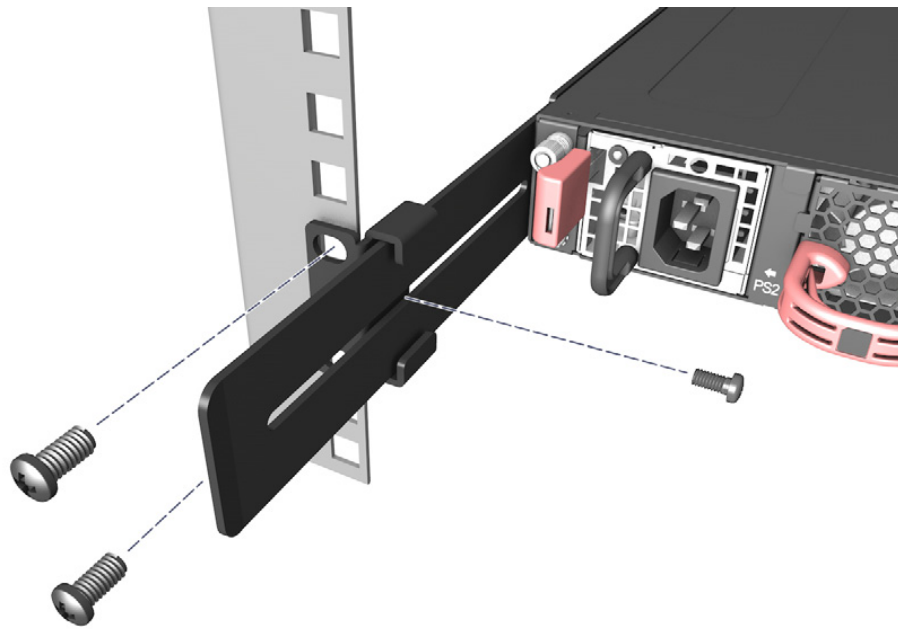
2. Mount the Switch

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



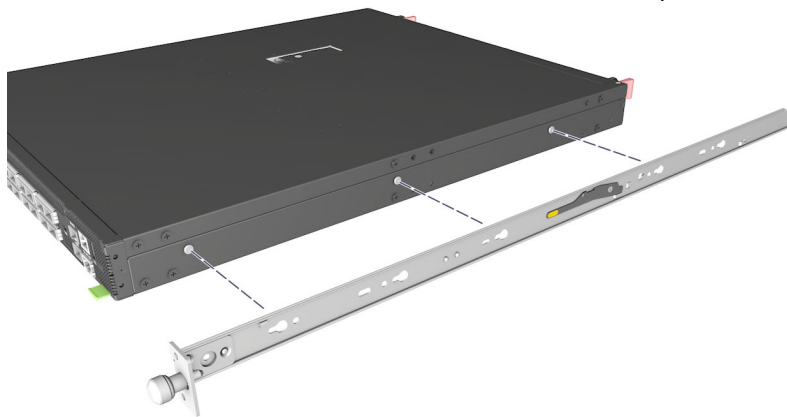
3. Lock the Rear-Post Brackets

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

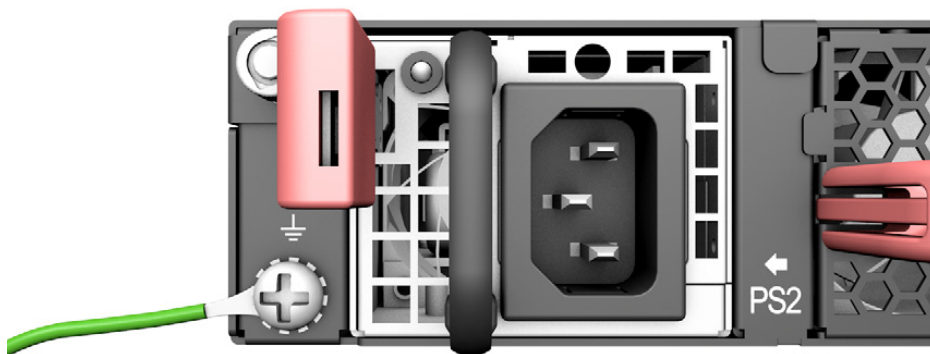


Optional Slide-Rail Installation

An optional slide-rail kit is available for rack installation. Follow the installation procedure provided with the kit.



Ground the Switch



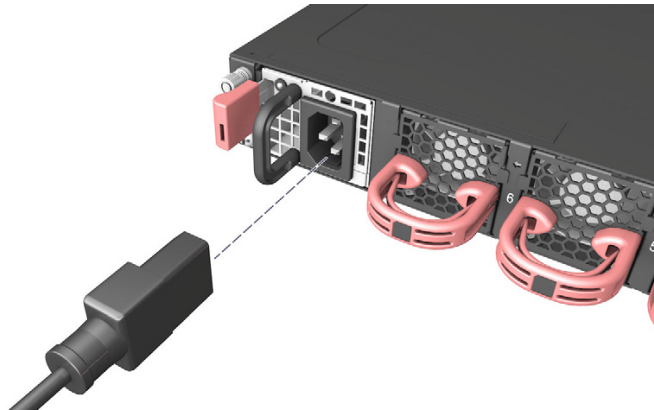
Verify Rack Ground

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 #12 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.

Connect Power



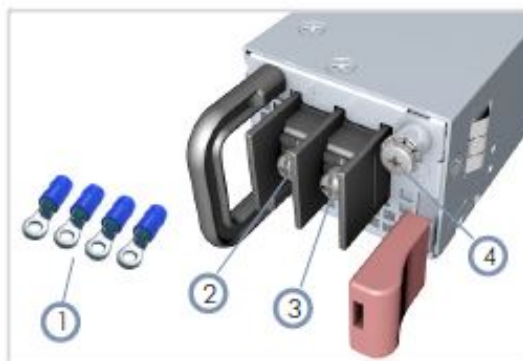
Install one or two AC/DC PSUs and connect them to an AC or DC power source.

Caution: Use a UL/IEC/EN 60950-1 certified power supply to connect to a DC converter.

Attention: Utilisez une alimentation certifiée UL/IEC/EN 60950-1 pour le connecter à un convertisseur CC.

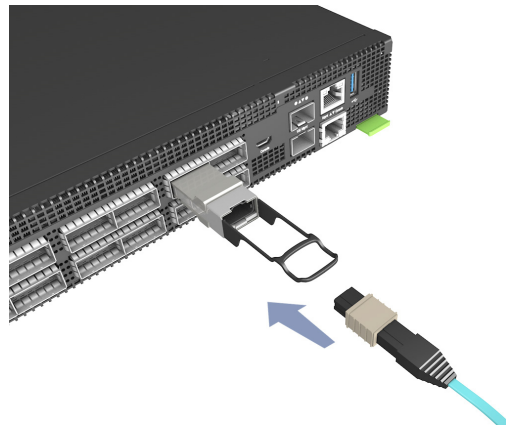
Caution: All DC power connections should be performed by a qualified professional.

Attention: Toutes les connexions d'alimentation CC doivent être effectuées par un professionnel qualifié.



1. Use the ring lugs included with the DC PSU.
2. DC return
3. -40 – -75 VDC
4. Ground

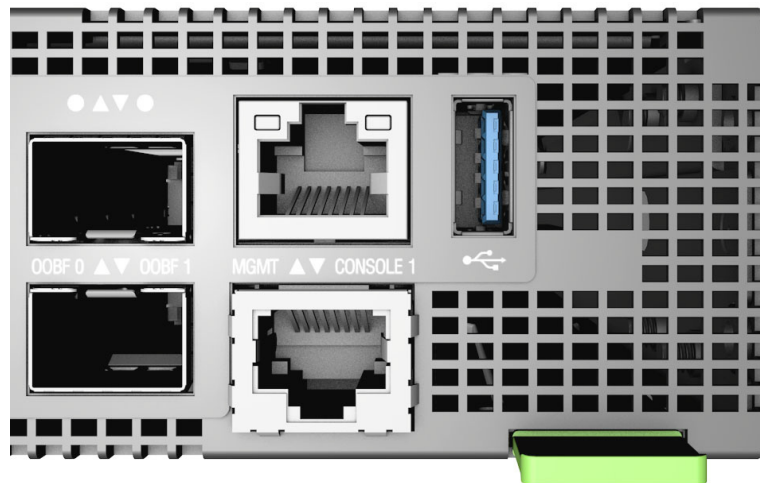
Make Network Connections



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.

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 10.77 kg (23.74 lb), with 2 PSUs and 6 fans installed

Temperature Operating: 5° C to 40° C (41° F to 104° 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

48 VDC PSU

Power Rating 48 VDC, 1300 Watts
DC Input -40 V – -75 V, 40 A maximum

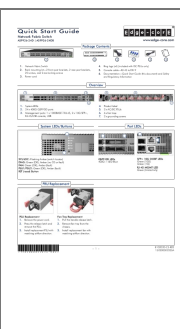
Regulatory Compliances

Emissions EN 55032:2015+AC:2016, Class A
EN 61000-3-2:2014, Class A
EN 61000-3-3:2013
FCC Class A
VCCI Class A
CCC GB 9254-2008, Class A
BSMI CNS13438-1

Immunity EN 55024:2010+A1:2015
IEC 61000-4-2/3/4/5/6/8/11
EN 55035:2017

Safety UL (CSA 22.2 No 62368-1 & UL62368-1)
CB (IEC/EN60950-1 & IEC/EN 62368-1)
CCC GB4943.1-2011
BSMI CNS14336-1

Documents / Resources

	Edge-corE AS9926-24D/AS9926-24DB Network Fabric Switch [pdf] User Guide AS9926-24D, AS9926-24DB, Network Fabric Switch
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