



Edge corE AS5835-54X 54 port 10 G 100G Ethernet Switch User Guide

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Edge corE AS5835-54X 54 port 10 G 100G Ethernet Switch



54-Port 10G/100G Ethernet Switch AS5835-54X

Package Contents



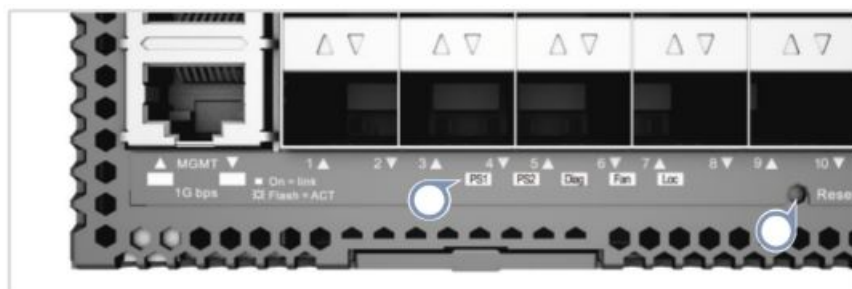
1. 54-Port 10G/100G Ethernet Switch AS5835-54X
2. Rack mounting kit 2 front-post brackets, 2 rear-post brackets, 20 screws, and 2 ear-locking screws
3. Power cord (included with AC PSUs only)
4. Grounding wire (included with DC PsUs only)
5. Console cable-RJ-45 to D-Sub
6. DC power connector (included with 48 VDC PSU only)
7. Documentation-Quick Start Guide (this document) and Safety and Regulatory Information

Overview



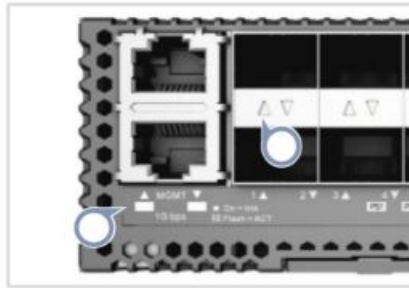
1. 2 x 1 OOBASE-T RJ-45 management ports
2. Product label
3. 48 x 1 OG SFP+ ports
4. 6 x 1 OOG QSFP28 ports
5. Console port, USB
6. Grounding screw
7. 2 x AC or DC PSUs
8. 5 x fan trays

System LEDs/Buttons

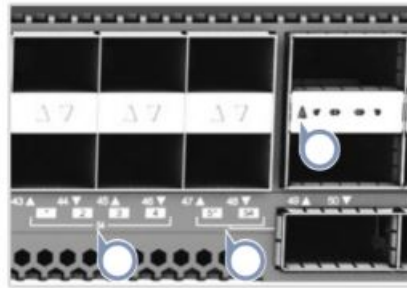


PS1/PS2: Green (OK), Amber (fault) OS Diag: Green (OK), Amber (fault)
Fan: Green (OK), Amber (fault)
Loc: Flashing Amber (switch locator)
Reset Button

Port LEDs



SFP+ LEDs



QSFP28 LEDs

SFP+ LEDs

- Green (IOG)
- Amber (I G)
- MGMT LEDs
- Green (I G)

QSFP28 LEDs

- 1 LED Green (1 OOG)
- 1 LED Blue (40G)
- 1 -4 LEDs Amber (25G breakout)
- 1 -4 LEDs Purple (1 OG breakout)

FRU Replacement



PSU Replacement



Fan Tray 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. Loosen the fan tray screw.
2. Remove fan tray from the chassis.
3. Install replacement fan with matching airflow direction.

Airflow Reversal



1. F2B Airflow

1. 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 AS5835-54X. 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 a 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.

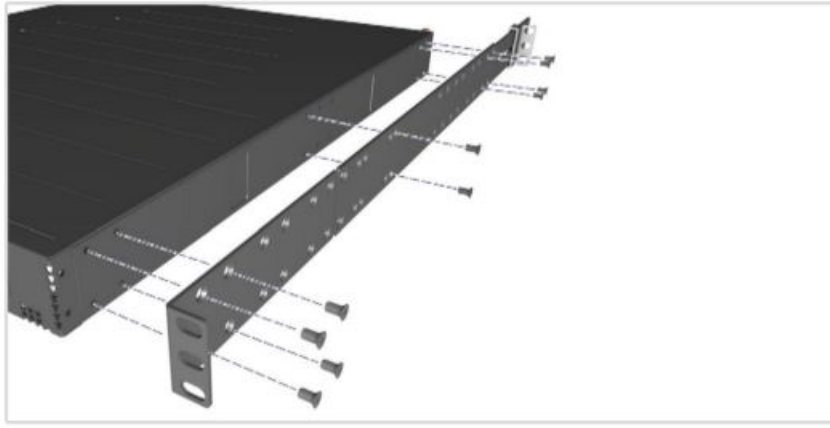
Mount the Switch

Caution: Installing the switch in a rack requires two people.

One person should position the switch in the rack, while the other person secures it using the rack screws.

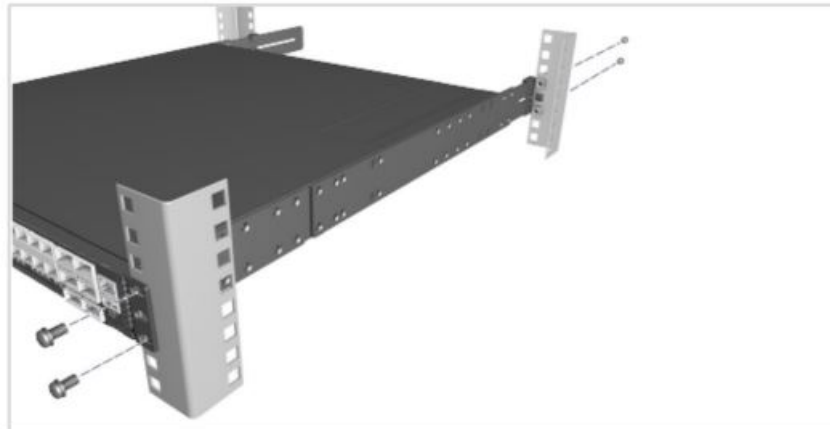
1. Attach the Brackets

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



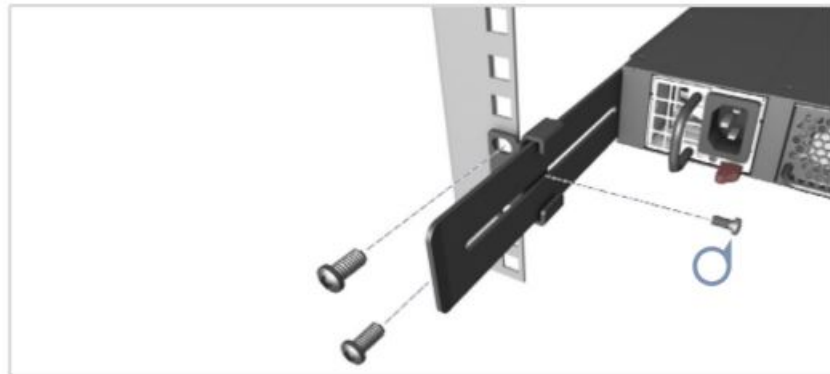
2. Mount the Switch

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.



Ground the Switch

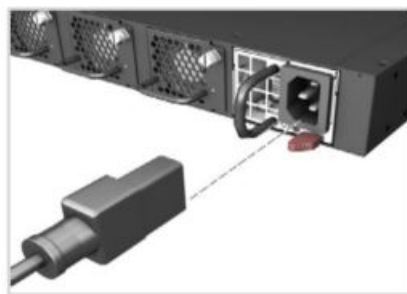
Attach the Grounding Wire

Ground the rack in compliance with ETSI ETS 300253 using the included # 14 AWG Grounding wire.



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

Connect Power



AC Power



DC Power

AC Power

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

DC Power

Install one or two DC PSUs.

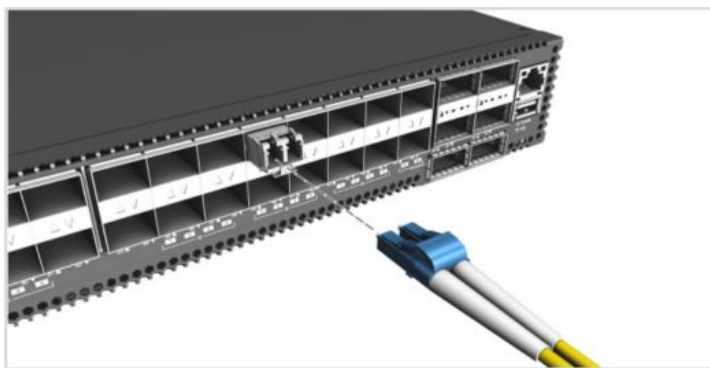
Wire the DC terminal plug:

- DC return
- -36-75 VDC
- Ground

Connect a DC power source to the PSUs.

Caution: Use a UL/IEC/EN 60950-1 certified power supply to connect to a DC converter, and a #14 AWG (for 36-75 VDC PSU wire) to connect to a DC PSU.

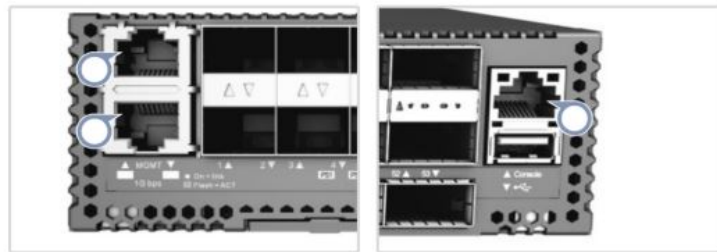
Make Network Connections



SFP+ /QSFP28 Ports

Install transceivers and then connect fiber optic cabling to the transceiver ports. Alternatively, connect DAC or AOC cables directly to the SFP+/QSFP28 slots.

Make Management Connections



Management Ports

Console Port

Management Ports

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

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)** 442.5 x 473.3 x 43.95 mm (17.42 x 18.63 x 1.73 in)
- **Weight** 8.815 kg (19.43 lb), with two installed PSUs
- **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: 5% to 95% (non-condensing)
- **Power Consumption** 356 Watts maximum

AC PSU

- **Power Rating** 100-240 VAC, 50 – 60 Hz, 400 Watts
- **AC Input** 100-240 VAC, 50-60 Hz, 6 – 3 A
100-127 VAC, 47 – 63 Hz, 6.0 A
200-240 VAC, 47 – 63 Hz, 3.0 A

48 VDC PSU

- **Power Rating** 48 VDC, 400 Watts
- **DC Input** -36 – -75 VDC, 14-7 A

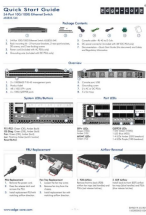
Regulatory Compliances

- **Emissions** EN 55032:2011 S+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 Class A, CNS 13438

- **Immunity** EN 55024:201 0 + A 1:2015
IEC 61000-4-2/3/4/5/6/8/1 I
- **Safety** UL (CSA 22.2 No 60950-1 & UL60950- I)
(CSA 22.2 No 62368-1 & UL62368- I)
CB (IEC/EN60950- I)
(IEC/EN62368- 1)
CCC GB4943. I -201 I
BSMI, CNS 14336- 1
- **Taiwan RoHS** CNS 15663

Documents / Resources

	<p>Edge corE AS5835-54X 54 port 10 G 100G Ethernet Switch [pdf] User Guide AS5835-54X 54 port 10 G 100G Ethernet Swith, AS5835-54X 54, port 10 G 100G Ethernet Swi th, 100G Ethernet Swith</p>
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[Manuals+](#).