




# Edge-corE AS4630-54TE Ethernet Switch User Guide

[Home](#) » [Edge-core](#) » Edge-corE AS4630-54TE Ethernet Switch User Guide 

## Contents

- [1 Edge-corE AS4630-54TE Ethernet Switch](#)
- [2 Package Contents](#)
- [3 Overview](#)
- [4 Installation](#)
- [5 Hardware Specifications](#)
- [6 Documents / Resources](#)
  - [6.1 References](#)

**E d g e - c o r E**

## Edge-corE AS4630-54TE Ethernet Switch



## Package Contents



1



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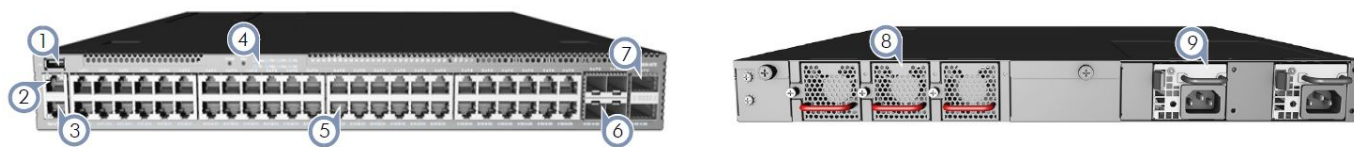


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1. AS4630-54TE Ethernet Switch
2. Rack mounting kit—2 front-post brackets, 2 rear-post brackets, and screw kit
3. 2 x Power cord
4. Console cable—RJ-45 to D-Sub
5. User Guide

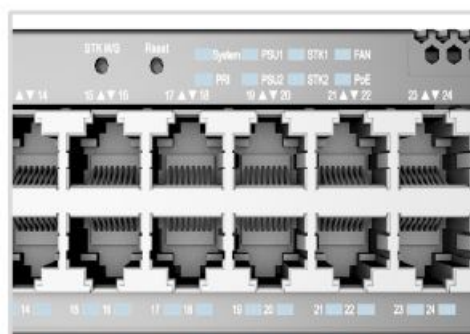
## 5. Documentation—Quick Start Guide (this document) and Safety and Regulatory Information

### Overview



1. 1 x USB port
2. 1 x Management port
3. 1 x Serial console port
4. System buttons/LEDs
5. 48 x RJ-45 1G ports
6. 4 x SFP28 10G/25G ports
7. 2 x QSFP28 40G/100G uplink or stacking ports
8. 3 x Fan trays
9. 2 x AC PSUs

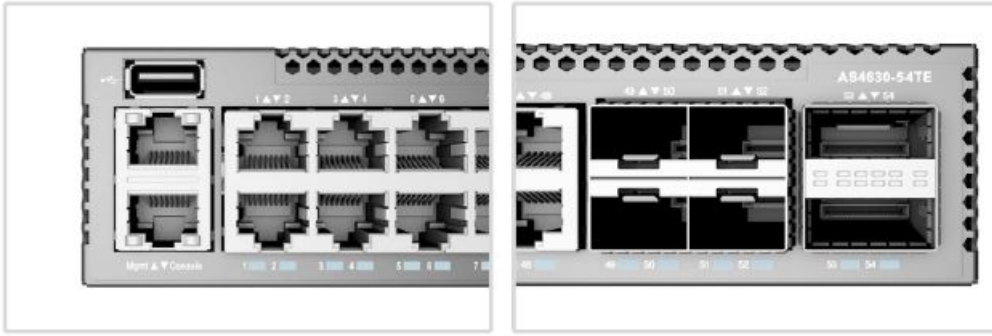
### System Buttons/LEDs



### STK M/S button Reset button

- **System LED:** Green (OK), Amber (fault)
- **PRI LED:** Green (primary unit), Amber (secondary unit) PSU LEDs: Green (OK), Amber (fault)
- **STK LEDs:** Green (stacking ports active)
- **FAN LED:** Green (OK), Amber (fault)
- **PoE LED:** Off

### Port/FRU LEDs



- **RJ-45 Port LEDs:** Green (link), Blinking (activity)
- **SFP28 Port LEDs:** White (25G), Green (10G), Blinking (activity)
- **QSFP28 Port LEDs:** White (100G), Green (40G link), Blinking (activity) PSU Status LED: Green (OK), Red (fault or fan failure)
- **Fan Tray Status LED:** Green (OK), Red (fault)

## 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.

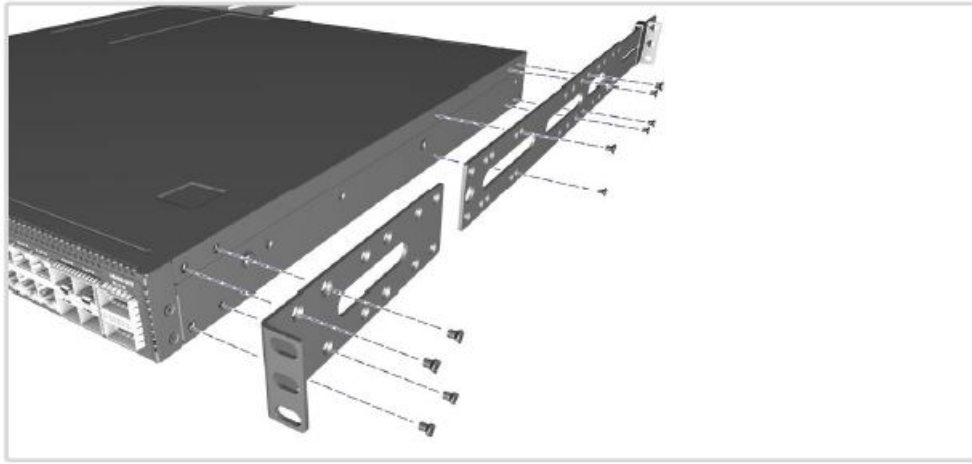
## Fan Tray Replacement

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

## Installation

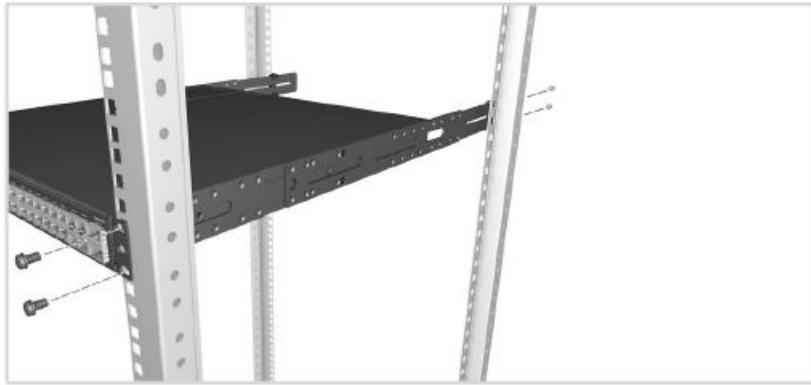
**Warning:** For a safe and reliable installation, use only the accessories and screws provided with the device. Use of other accessories and screws could result in damage to the unit. Any damages incurred by using unapproved accessories are not covered by the warranty.

## Mount the Switch



### **Attach the Brackets**

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



### **Mount the Switch**

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



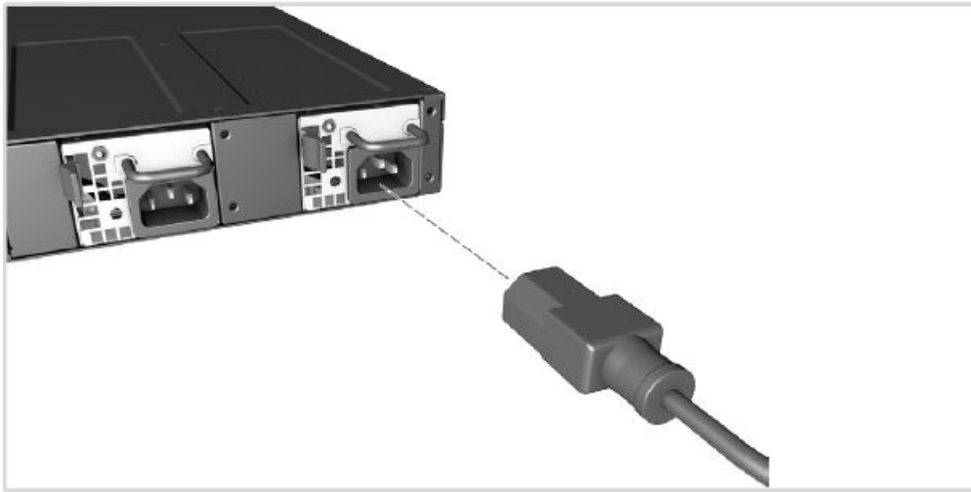
### **Lock the Rear-Post Brackets**

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.

### **Connect Power**



### AC Power

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

### Verify Switch Power

#### Check the PSU LEDs

The PSU1/PSU2 LEDs should be on green when operating normally.

### Perform Initial System Boot

#### 1. ONIE Installer Software

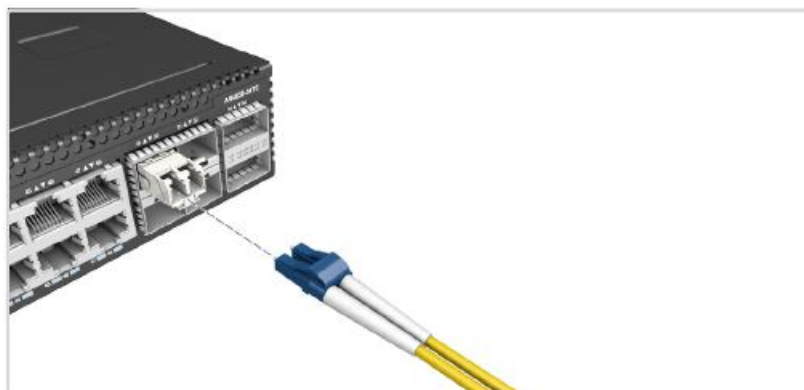
If the network operating system (NOS) installer is located on a network server, first connect the RJ-45 Management (Mgmt) port to the network using 100-ohm Category 5, 5e or better twisted-pair cable. (Not required if the NOS installer is located on attached storage.)

#### 2. Boot the Switch

Wait for the ONIE software to locate and execute the NOS installer, and then wait for the installer to load the NOS software image. Subsequent switch boots will bypass ONIE and directly run the NOS software.

**Note:** For switches with ONIE software pre-loaded, refer to the network operating system (NOS) installer and NOS documentation for details on software options and set up for ONIE.

### Make Network Connections



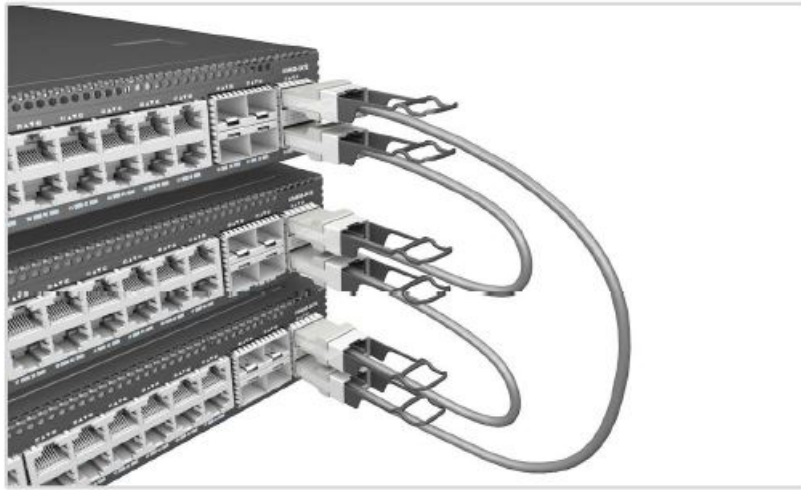
### RJ-45 ports

Connect 100-ohm Category 5, 5e or better twisted-pair cable.

### **SFP+/SFP28 slots**

First install SFP+/SFP28 transceivers and then connect fiber optic cabling to the transceiver ports.

### **(Optional) Make Stack Connections**



#### **Connect the top device**

Plug one end of a DAC cable in the bottom QSFP28 port of the top unit.

#### **Connect the next device**

Plug the other end of the DAC cable into the top QSFP28 port of the next unit.

#### **Repeat**

Repeat for each unit in the stack.

#### **(Optional) Connect the top and bottom devices**

Plug one end of a DAC cable into the bottom QSFP28 port on the bottom unit and the other end into the top QSFP28 port on the top unit.

#### **Reboot**

Reboot each switch in the stack to start the stack operations.

**Note:** Stacking support is dependent on the switch software. For stacking support information, refer to the NOS software documentation.

### **Hardware Specifications**

Switch Chassis

Size (WxDxH)	438 x 474 x 44 mm (17.24 x 18.66 x 1.73 in)
Weight	6.98 kg (15.39 lb), with two installed PSUs
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	150 Watts max.

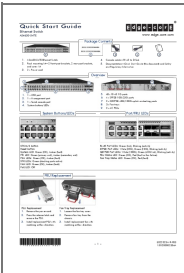
2 x 150 W Power Supplies

AC Input	100-240 Vac, 50-60 Hz, 3-1.5 A
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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 BSMI Class A, CNS 13438
Immunity	IEC 61000-4-2/3/4/5/6/8/11 EN 55024:2010+A1:2015 EN 55035:2017
Safety	UL (UL 62368-1 & CSA C22.2 No. 62368-1) CB (IEC/EN 60950-1, IEC/EN 62368-1) BSMI, CNS 14336-1
Taiwan RoHS	CNS 15663

Documents / Resources

	<p><a href="#">Edge-core AS4630-54TE Ethernet Switch</a> [pdf] User Guide AS4630-54TE Ethernet Switch, AS4630-54TE, Ethernet Switch, Switch</p>
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References

-  [Edgecore Networks](#)