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ALTA LABS S24POE 24 Port Enterprise Network Switch

Product Usage Instructions

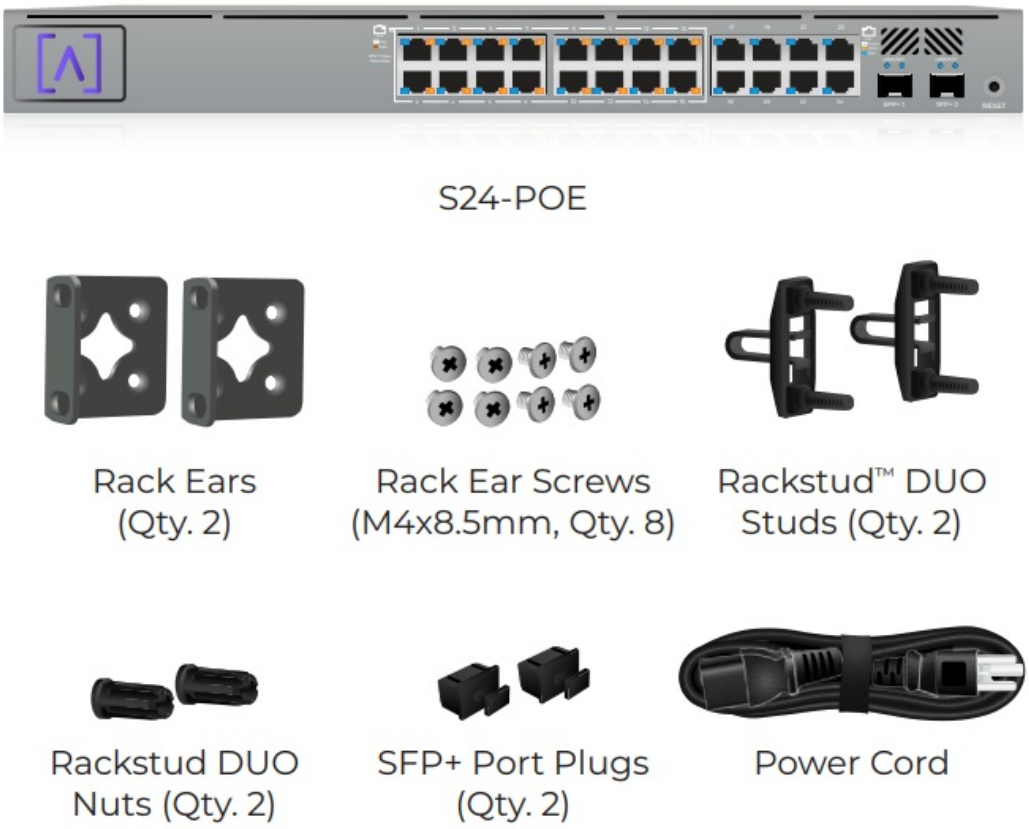
- Connect the two Rack Ears to both sides of the switch using the eight Rack Ear Screws provided.
- Mount the switch in a suitable rack using the included mounting hardware.
- Ensure proper ventilation by keeping cooling fan vents and side panels clear.
- The Alta Labs LED will flash during startup and remain lit when fully booted.
- You can customize LED colors in the management interface.
- Ports 1-16 support PoE+ with individual power allocation.
- The Link LED indicates connection speed (amber for 10/100 Mbps, blue for 1 Gbps). The PoE LED shows when PoE is active on a port.
- Ports 17-24 are standard Gigabit Ethernet ports with similar Link LED indications for connection speed.
- The SFP+ Ports support various connection speeds indicated by the Link LED color. Use suitable transceivers for fiber optic or Ethernet connections.

Before You Begin

- Download the Alta app on your mobile device and create your free Alta account.

- You may also visit manage.alta.inc to manage your Alta devices.

Package Contents



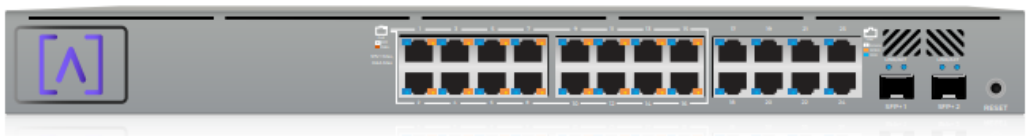
Note: We recommend using the included mounting hardware for product installation.

Installation Requirements

- Ethernet cabling (CAT 5 or above)
- Phillips screwdriver

Hardware Overview

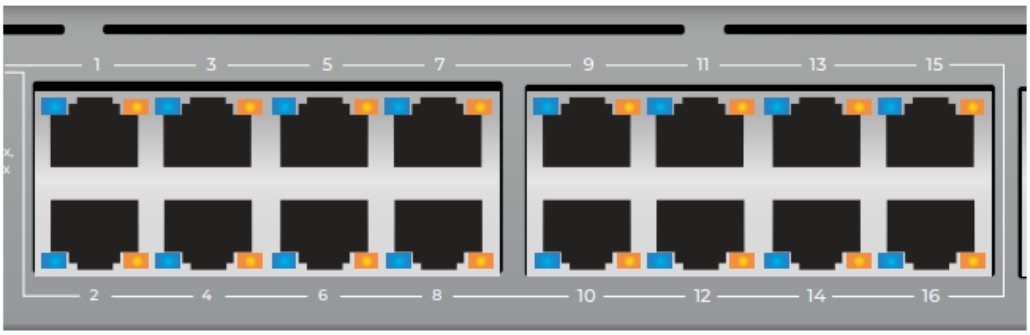
Front



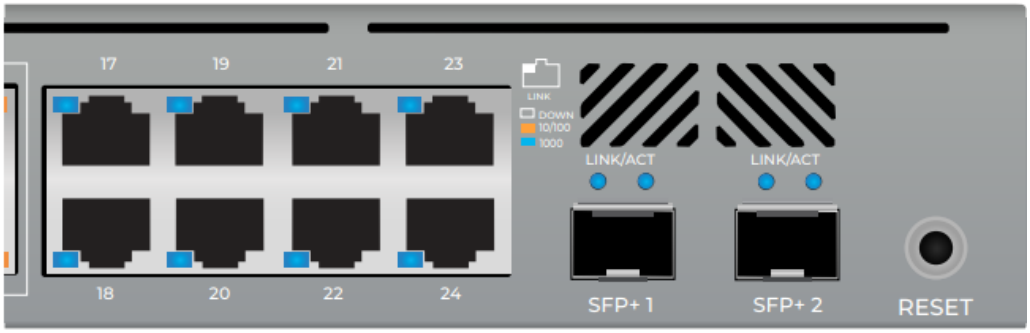
Alta Labs LED

- The Alta Labs LED flashes as the unit is powered up. Once fully booted, the LED will remain lit unless turned off in the UI. The LED color can also be changed in the management interface.

Ports and LEDs



-  Ports 1-16 support 802.3at PoE+ with up to 30W per port and a PoE budget of 240 Watts. These ports are standard Gigabit Ethernet ports that support 10/100/1000 Mbps connections.
- The Link LED on the left indicates a 10/100 Mbps connection when amber, blue indicates a 1 Gbps connection, and if not illuminated, the connection is down.
- The PoE LED on the right will illuminate amber when a device connected to the port is being powered via Ethernet.
-  Ports 17-24 are standard Gigabit Ethernet ports that support 10/100/1000 Mbps connections.
- The Link LED indicates a 10/100 Mbps connection when amber, blue indicates a 1 Gbps connection, and if not illuminated, the connection is down.



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The SFP+ Ports support fiber optic and Ethernet transceivers with 1 Gbps, 2.5 Gbps, 5 Gbps, or 10 Gbps connections.
- The Link LED on the left will illuminate blue when there is a 1 Gbps, 2.5 Gbps, or 5 Gbps connection; it will illuminate white with a 10 Gbps connection.
- The Activity LED on the right flashes blue when there is activity on a 1 Gbps, 2.5 Gbps, or 5 Gbps connection. It will flash white if there is 10 Gbps network activity.

Back

- Cooling fan vents are located on the back of the switch. Be sure to use the included power cord to connect power.

Side

- The side panels feature cooling vents.

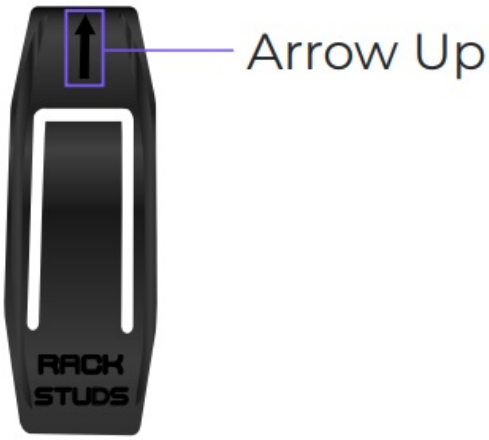
Hardware Installation

Rackmount Installation

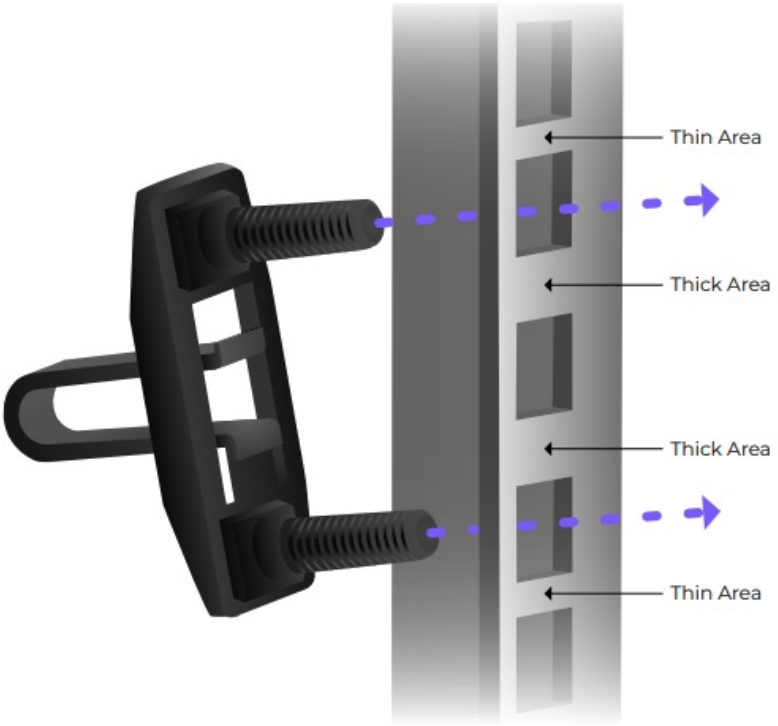
1. Connect the two Rack Ears to both sides of the switch using the eight Rack Ear Screws.

Note that the cooling vents remain exposed with the Rack Ears connected.

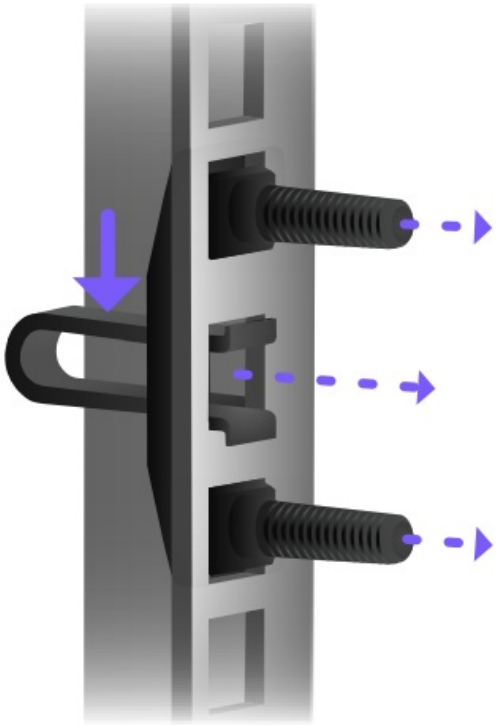
2. Ensure the arrow on the back of the Rackstud DUO stud is pointing up.



3. Insert the Rackstud DUO stud at the beginning of the RU space just below the thin area.



4. Compress the spring and insert the Rackstud DUO stud from behind the rail.



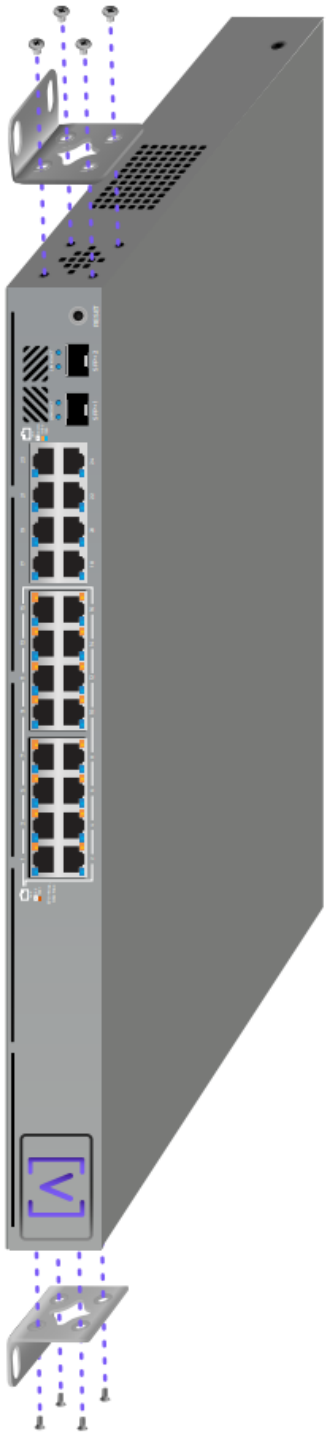
5. Repeat the same procedure on the opposite rail on the rack.
6. Slide the switch over the Rackstud DUO stud and apply pressure to the front face while installing the Rackstud DUO nuts to the bottom on both sides of the switch.

7. Connect the top Rackstud DUO nuts on both sides of the switch.

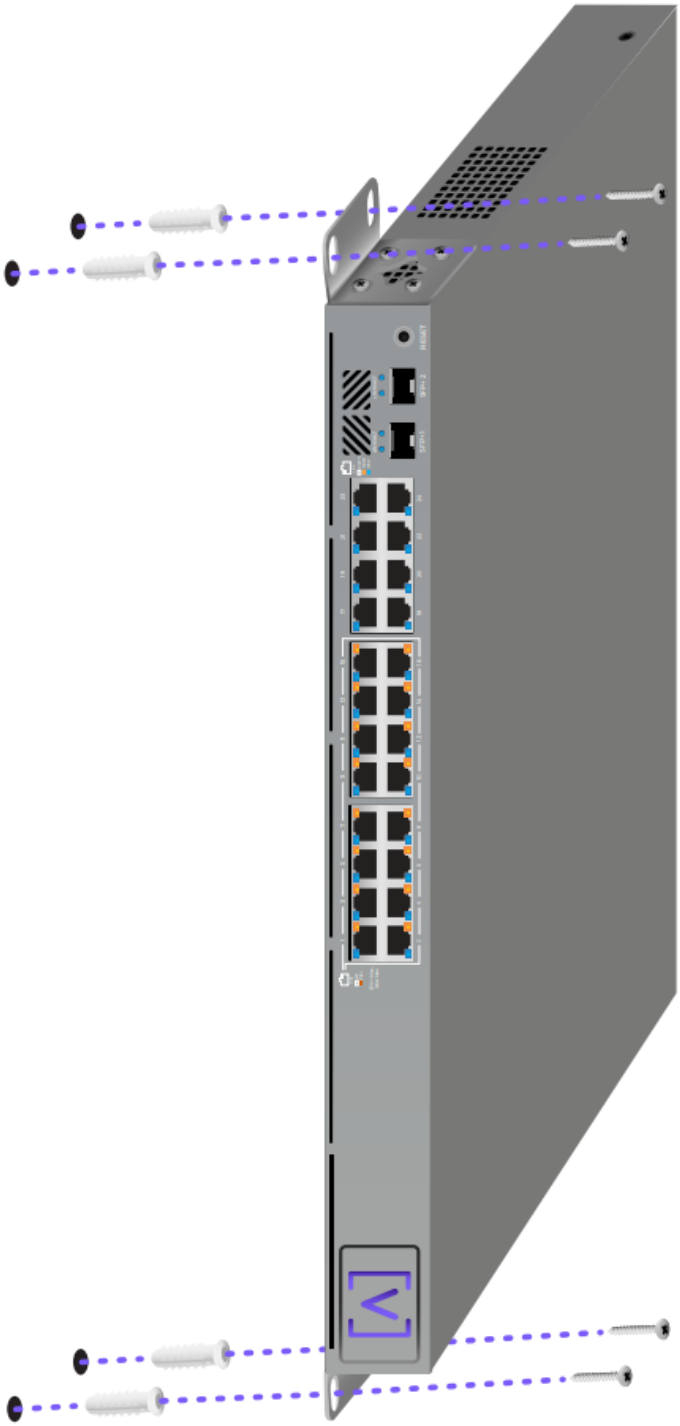
Mounting On A Wall

1. Connect the two Rack Ears to both sides of the switch using the eight Rack Ear Screws.

   Be sure to orient the Rack Ears so the openings face the wall.



2. Use wall screws and anchors (not included) to secure both sides of the switch to the wall.



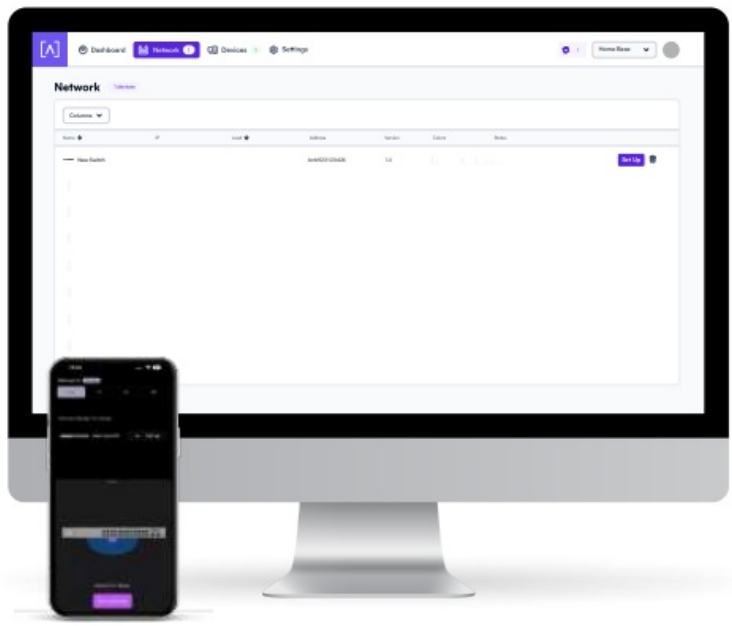
Connecting Devices

1. Connect devices that need Power over Ethernet to any of the first sixteen ports. The ports are autosensing. Devices that do not require power can be connected to any of the 24 ports.

2. Follow the instructions included with your transceivers to connect them to the SFP+ ports. If not using the ports, be sure to place the SFP+ Port Plugs over the ports.

Set Up Your Device

1. Follow the instructions in the Alta app or management interface to set up your switch.



S24-POE Specifications

Mechanical	
Dimensions	44 x 254 x 441.5 mm (1.7 x 10 x 17.4″)
Weight	3.6 kg (7.9 lbs)
Material Type	SGCC
Material Finish	Powder coat – Matte
Color	Metallic gray

Ports	
Interface Ports	(24) 10/100/1000 Mbps

SFP/SFP+	(2) SFP+
Switching Capacity	88 Gbps
Non-blocking Throughput	44 Gbps
Forwarding Rate	65.5 Gbps
PoE Budget/Max	240 Watts
PoE Supply	30 Watts per port
Per Port PoE	(16) 802.3at PoE+
Non-PoE Ports	(10)

LEDs	
PoE	Orange
Network	Orange: 10/100 Mbps, Blue: 1000 Mbps
SFP	Blue: Link/Activity (1, 2.5, or 5 Gbps) White: Link/Activity (10 Gbps)

Hardware	
Packet Buffer	4.1 Mbit
Mac Table Size	8 K
Energy Efficient Ethernet	Yes
Management	Factory reset button
Bluetooth	Yes, Setup

Power	
Max Power Consumption w/o PoE	53 Watts
Max Power Consumption Full PoE	295 Watts
Power Supply	Universal AC, 100 – 240VAC 50/60Hz Intern al
RJ45 Port Surge Protection	12kV for ESD – contact, 25kV for ESD – Air

Environmental	
Mounting	Rackmount, Wallmount
EMI Rating	EMI Class-A with 3dB margin
Cooling Fan	Yes
Operating Temperature	-5 to 50° C (23 to 122° F)
Operating Humidity	10 to 90% Noncondensing
Certifications	CE, FCC, IC

FCC STATEMENT

Compliance

Federal Communications Commission Interference Statement

This product has been tested and found to comply with the limits for a Class A digital device according to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used under the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a

residential area are likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
However, there is no guarantee that interference will not occur in a particular installation. Suppose this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. In that case, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This device is restricted to indoor use.

Non-Modification Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

FCC Radiation Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body

CAN ICES-003(A) / NMB-003(A)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s licence-exempt RSS(s).

Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device

ISED Radiation Exposure Statement:
This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with a minimum distance 20cm between the radiator & your body

Community Forum

- forum.alta.inc

Technical Support

- help.alta.inc
- All specifications are subject to change without notice.
- Alta Labs products are sold with a limited warranty: alta.inc/warranty
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- Alta Labs is a trademark of Soundvision Technologies.

FAQ

- **Q: What is the PoE budget for ports 1-16?**
  - **A:** The PoE budget for ports 1-16 is 240 Watts, supporting up to 30W per port.
- **Q: How do I mount the switch in a rack?**
  - **A:** Connect the Rack Ears to both sides of the switch using the provided screws, then mount it in a rack using the included mounting hardware.

Documents / Resources

	ALTA LABS S24POE 24 Port Enterprise Network Switch [pdf] User Guide S24POE, 2A8MT-S24POE, 2A8MTS24POE, S24POE 24 Port Enterprise Network Switch, S24POE, 24 Port Enterprise Network Switch, Enterprise Network Switch, Network Switch, Switch

References

- User Manual

ALTA LABS

24 Port Enterprise Network Switch, 2A8MT-S24POE, 2A8MTS24POE, ALTA LABS, Enterprise Network Switch, Network Switch, S24POE, S24POE 24 Port Enterprise Network Switch, switch

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