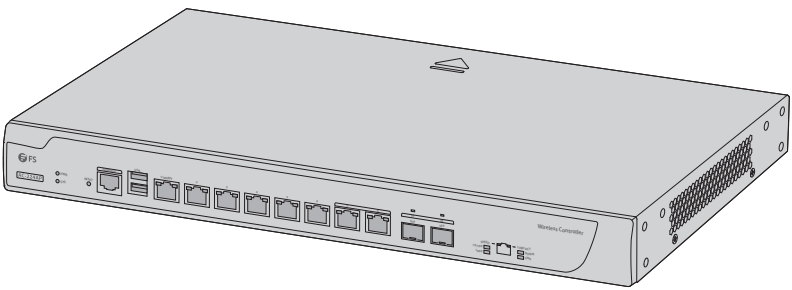


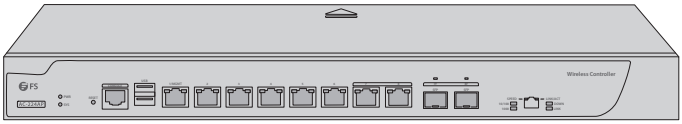
AC-224AP

ENTERPRISE WIRELESS LAN CONTROLLER

Quick Start Guide V1.0

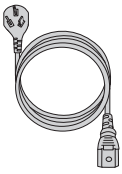
Introduction

Thank you for choosing the enterprise wireless LAN controller. The guide is designed to familiarize you with the layout of the wireless LAN controller and describes how to deploy the wireless LAN controller in your network.

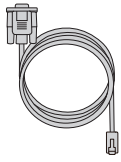


AC-224AP

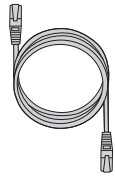
Accessories



Power Cord x1

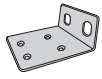


Console Cable x1



Network Cable x1

Rubber Pad x4



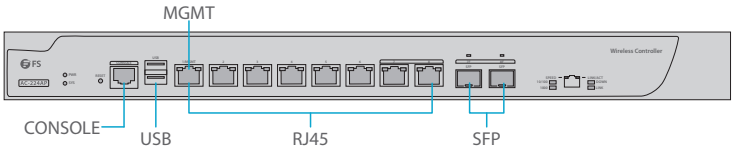
Mounting Bracket x2

M4 Screw x6

NOTE: This controller has dust plugs delivered with it. Keep the dust plugs properly and use them to protect idle optical ports.

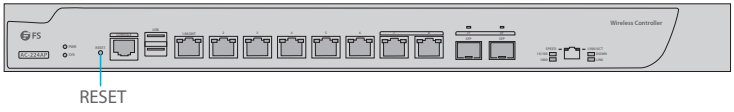
Hardware Overview

Front Panel Ports



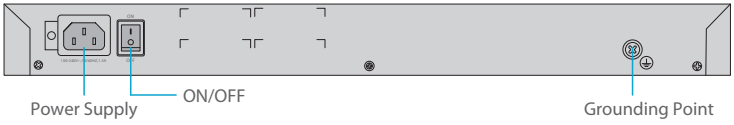
Ports	Description
RJ45	10/100/1000BASE-T ports for Ethernet connection, port 7 and 8 are combo ports (copper/fiber)
SFP	SFP ports for 1G connection
CONSOLE	An RJ45 console port for serial management
MGMT	An Ethernet management port
USB	A USB management port for software and configuration backup and offline software upgrade

Front Panel Button



Button	Description
RESET	Restore to Factory Default Settings: Press and hold the RESET button for more than five seconds.

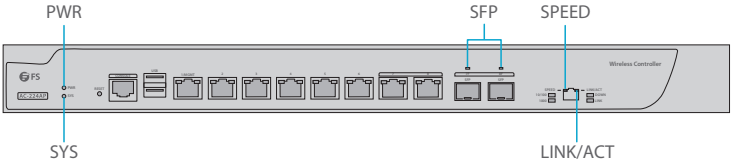
Back Panel



Back Panel Button

Button	Description
Power ON/OFF	Control the controller power on or off.

Front Panel LEDs



LEDs	Status	Description
PWR	Off	The power module is not in the position or fails.
	Solid Green	The power module is operational.
SYS	Blinking Green	The system is being initialized.
	Solid Green	The initialization process is complete.
	Solid Red	The system sends out an alarm.
LINK/ACT	Solid Green	The copper port is connected at 10/100/1000 Mbps.
	Blinking Green	The copper port is receiving or transmitting data.
SPEED	Solid Orange	The copper port is connected at 1000 Mbps.
	Off	The copper port is connected at 10/100 Mbps.
SFP	Solid Green	The fiber port is connected.
	Blinking Green	The fiber port is receiving or transmitting data.

Installation Requirements

Before you begin the installation, make sure that you have the following:

- Phillips screwdriver.

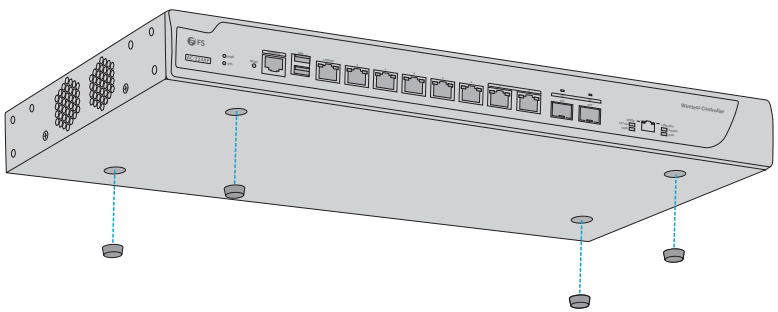
- Standard-sized, 19" wide rack with a minimum of 1U height available.
- Category 5e or higher RJ-45 Ethernet cables and fiber optical cables for connecting network devices.

Site Environment:

- Do not place the controller in a damp/wet location.
- Keep the controller far away from the heat source.
- Ensure that the controller is properly grounded.
- Wear an anti-static wrist strap during installation and maintenance.
- Put the tools and parts away from where people walk by.
- Use UPS (Uninterruptible Power Supply) to prevent power failure and other interferences.

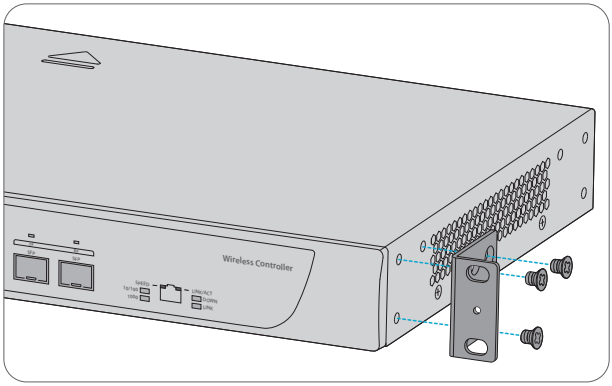
Mounting the Wireless LAN Controller

Desk Mounting

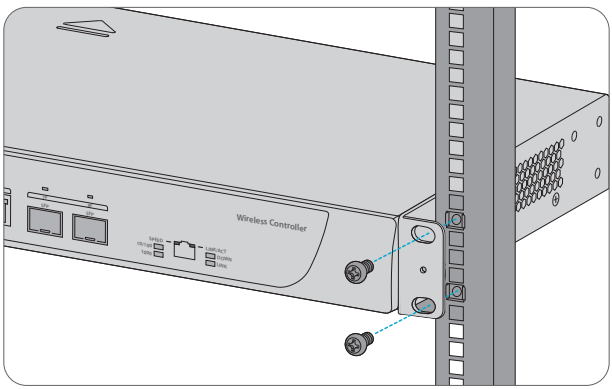


1. Attach four rubber pads to the bottom.
2. Place the chassis on a desk.

Rack Mounting

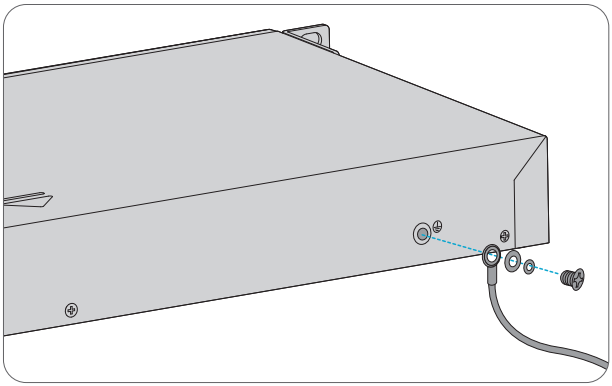


1. Secure the mounting brackets on the two sides of the controller with six M4 screws.



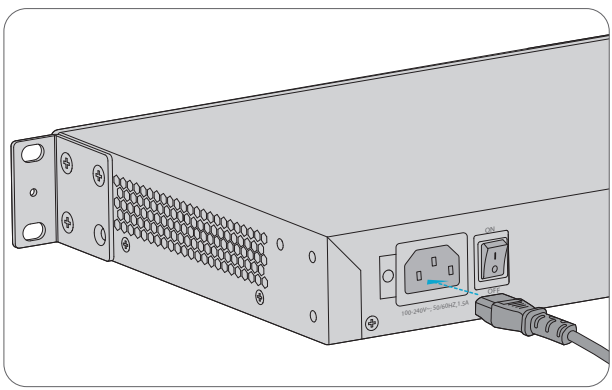
2. Attach the controller to the rack using four M6 screws and cage nuts.

Grounding the Controller



1. Connect one end of the grounding cable to a proper earth ground, such as the rack in which the controller is mounted.
2. Secure the grounding lug to the grounding point on the controller back panel with the washers and screws.

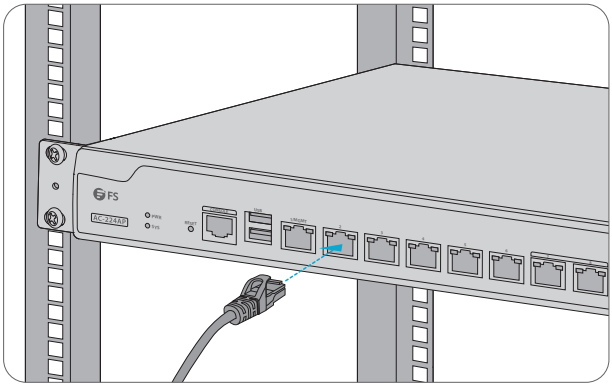
Connecting the Power



1. Plug the AC power cord into the power port on the back of the controller.
2. Connect the other end of the power cord to an AC power source.

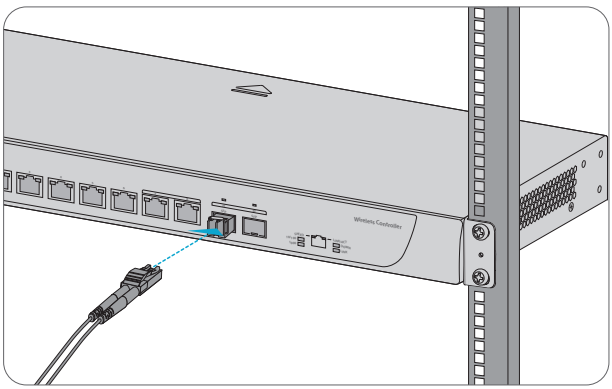
CAUTION: Do not install power cables while the power is on.

Connecting the RJ45 Ports



1. Connect an Ethernet cable to the RJ45 port of a computer or other network devices.
2. Connect the other end of the Ethernet cable to the RJ45 port of the controller.

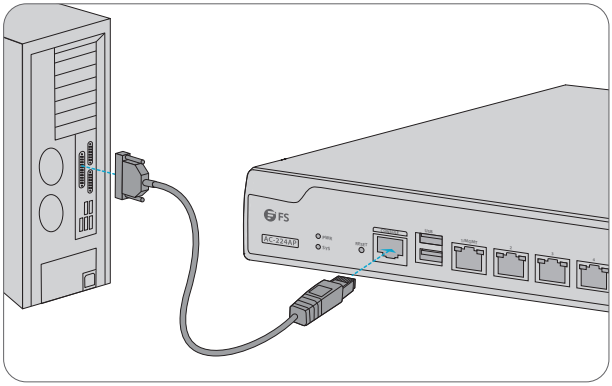
Connecting the SFP Ports



1. Plug the compatible SFP transceiver into the SFP port.
2. Connect a fiber optic cable to the fiber transceiver. Then connect the other end of the cable to another fiber device.

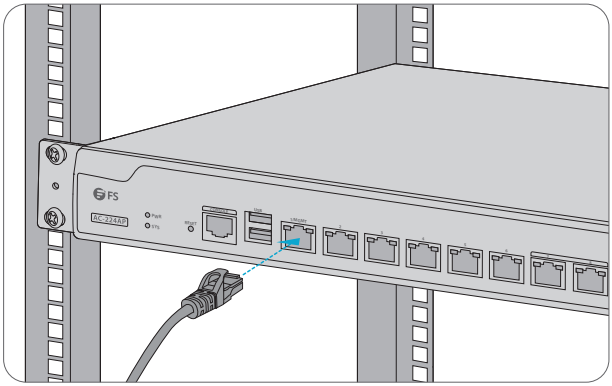
CAUTION: Laser beams will cause eye damage. Do not look into bores of optical modules or optical fiber without eye protection.

Connecting the Console Port



1. Insert the RJ45 connector into the RJ45 console port on the front of the controller.
2. Connect the DB9 female connector of the console cable to RS-232 serial port on the computer.

Connecting the MGMT Port



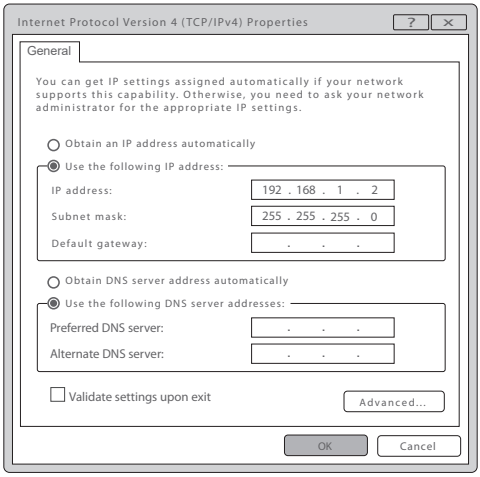
1. Connect one end of a standard RJ45 Ethernet cable to a computer.
2. Connect the other end of the cable to the MGMT port on the front of the controller.

Configuring the Wireless LAN Controller

Configuring the Controller Using the Web-based Interface

Step 1: Connect the computer to the Management port of the controller using the network cable.

Step 2: Set the IP address of the computer to **192.168.1.x**. ("x" is any number from 2 to 254.)



Step 3: Open a browser, type **http://192.168.1.1**, and enter the default username and password, **admin/admin**.

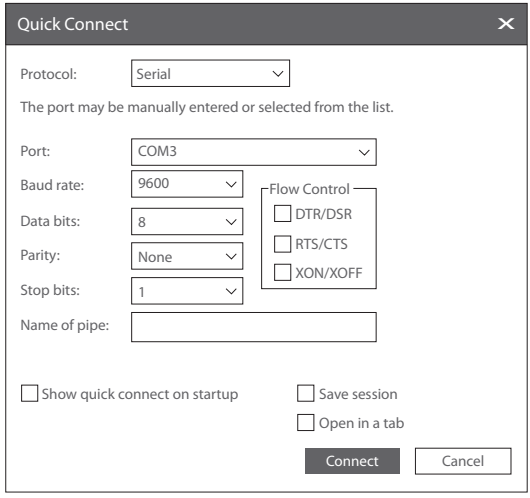
Step 4: Click **Login** to display the web-based configuration page.

Configuring the Controller Using the Console Port

Step 1: Connect a computer to the controller's console port using the supplied console cable.

Step 2: Start the terminal simulation software such as HyperTerminal on the computer.

Step 3: Set the parameters of the HyperTerminal: 9600 bits per second, 8 data bits, no parity, 1 stop bit and no flow control.



Step 4: After setting the parameters, click **Connect** to enter.

Troubleshooting

The Screen Displays Request Timed Out

1. Check if the network cable is intact.
2. Check if the hardware connection is correct.
3. The system status indicator on the device panel and the NIC indicator on the computer must be lit.
4. The computer's IP address setting is correct.

Support and Other Resources

- Download **https://www.fs.com/download.html**
- Help Center **https://www.fs.com/service/help_center.html**
- Contact Us **https://www.fs.com/contact_us.html**

Product Warranty

FS ensures our customers that any damage or faulty items due to our workmanship, we will offer a free return within 30 Days from the day you receive your goods. This excludes any custom made items or tailored solutions.

Warranty: The Wireless LAN Controller enjoys 3 years limited warranty against defect in materials or workmanship. For more details about warranty, please check at https://www.fs.com/policies/warranty.html

Return: If you want to return item(s), information on how to return can be found at https://www.fs.com/policies/day_return_policy.html

Q.C. PASSED