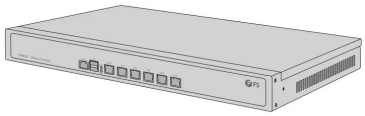
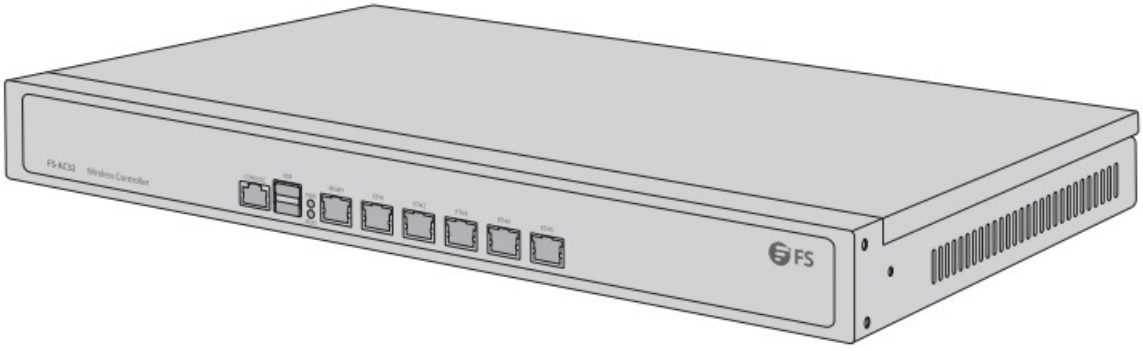


FS-AC32 Wireless LAN Controller User Guide

Contents

FS-AC32 Wireless LAN Controller



Product Information

The FS-AC32 is an enterprise wireless LAN controller that allows you to manage and deploy wireless networks in your organization. It comes with 10/100/1000BASE-T ports for Ethernet connection, a RJ45 console port for serial management, an Ethernet management port, and a USB management port for software and configuration backup and offline software upgrade. The controller also features front panel LEDs that indicate the status of the power module and hard drive.

Accessories

- FS-AC32
- Power Cord x 1
- Mounting Bracket x 2

Installation Requirements

Before installing the FS-AC32, make sure 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

Ensure that the controller is not placed in a damp/wet location and is kept far away from heat sources. The controller should also be properly grounded, and anti-static wrist straps should be worn during installation and maintenance. Tools and parts should be kept away from where people walk by, and UPS (Uninterruptible Power Supply) should be used to prevent power failure and other interferences.

Product Usage Instructions

Mounting the Wireless LAN Controller

The FS-AC32 can be desk-mounted or rack-mounted.

Desk Mounting

1. Attach four rubber pads to the bottom of the chassis.
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 the power cord while the power is on, and when the power cord is connected, the fan will start to operate whether the power button is on or off.

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 Console Port

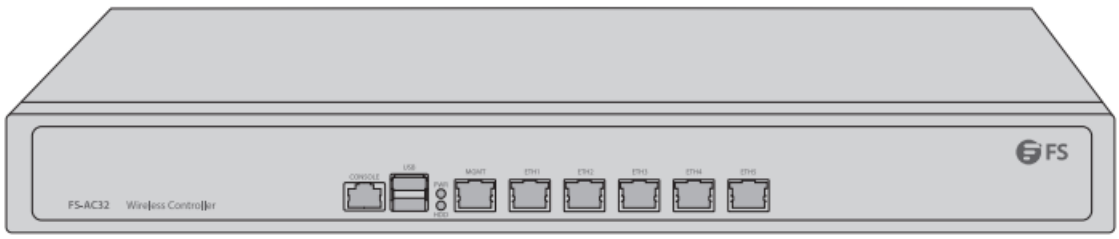
1. Insert the RJ45 connector into the RJ45 console port on the front of the controller.
2. Connect the DB9 female connector of the console cable to RS-232 serial port on the computer.

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.

Introduction

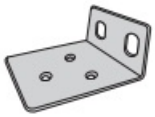
Thank you for choosing the enterprise wireless LAN controller. The guide is designed to familiarize you with the layout of the wireless LAN controller and describes how to deploy the wireless LAN controller in your network.



FS-AC32

Accessories

Power Cord x 1

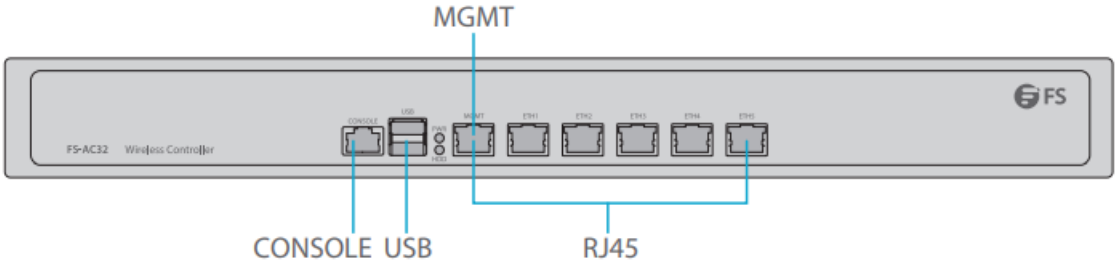


Mounting Bracket x 2

M4 Screw x 8

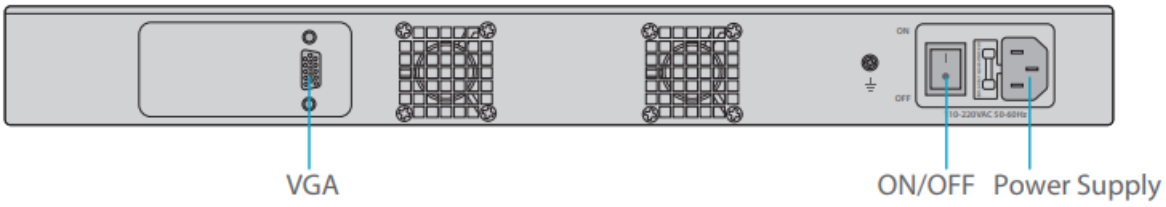
Hardware Overview

Front Panel Ports



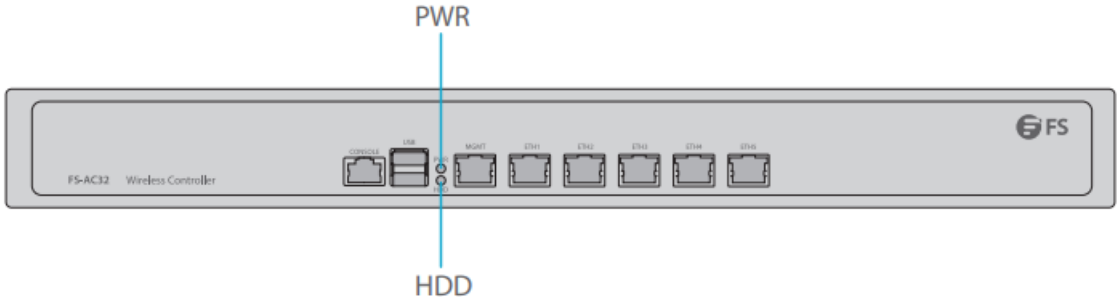
Port	Description
RJ45	10/100/1000BASE-T ports for Ethernet connection
CONSOLE	A RJ45 console port for serial management
MGMT	An Ethernet management port
USB	A USB management port for software and configuration backup and offline software upgrade

Back Panel Button



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

Front Panel LEDs



LED indicator	Status	Description
PWR	Off	The power module is not in the position or fails.
	Solid Green	The power module is operational.
HDD	Solid Red	The hard drive is reading and writing.

Installation Requirements

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

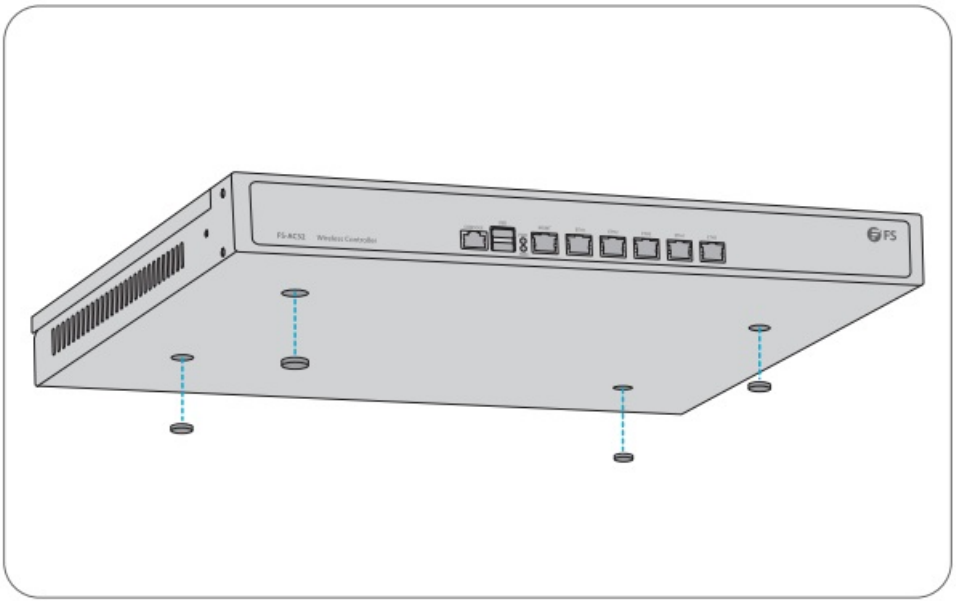
- Phillips screwdriver.
- Standard-sized, 19″ wide rack with a minimum of 1U height available.
- Category 5e or higher RJ-45 Ethernet cables and fiber optical cables for connecting network devices.

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.

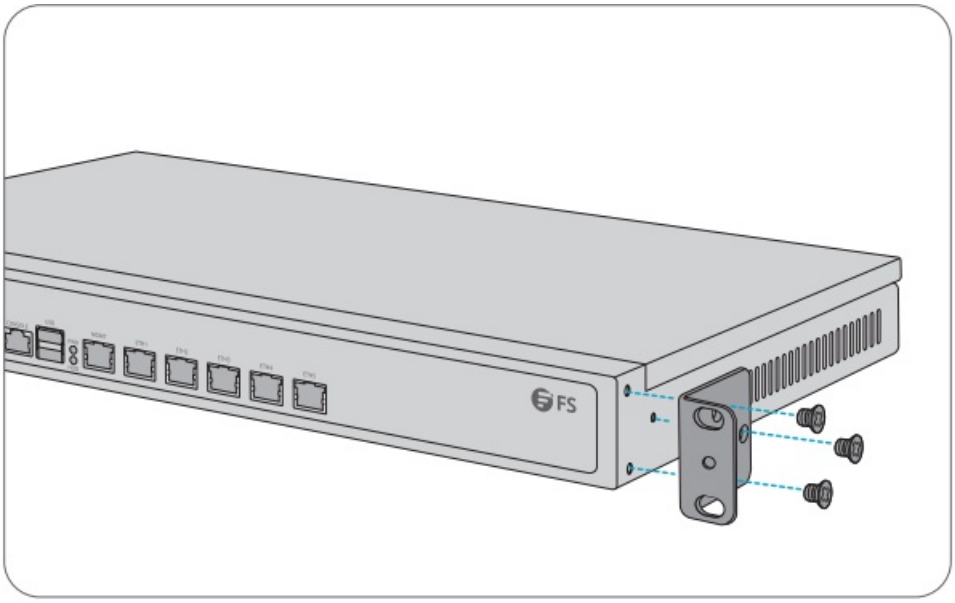
Mounting the Wireless LAN Controller

Desk Mounting

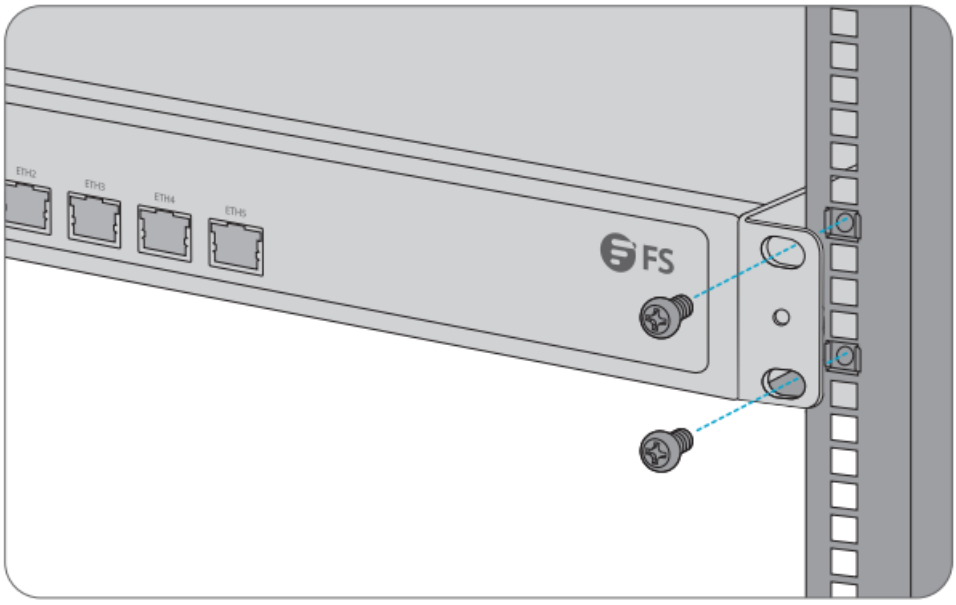


1. Attach four rubber pads to the bottom.
2. Place the chassis on a desk.

Rack Mounting

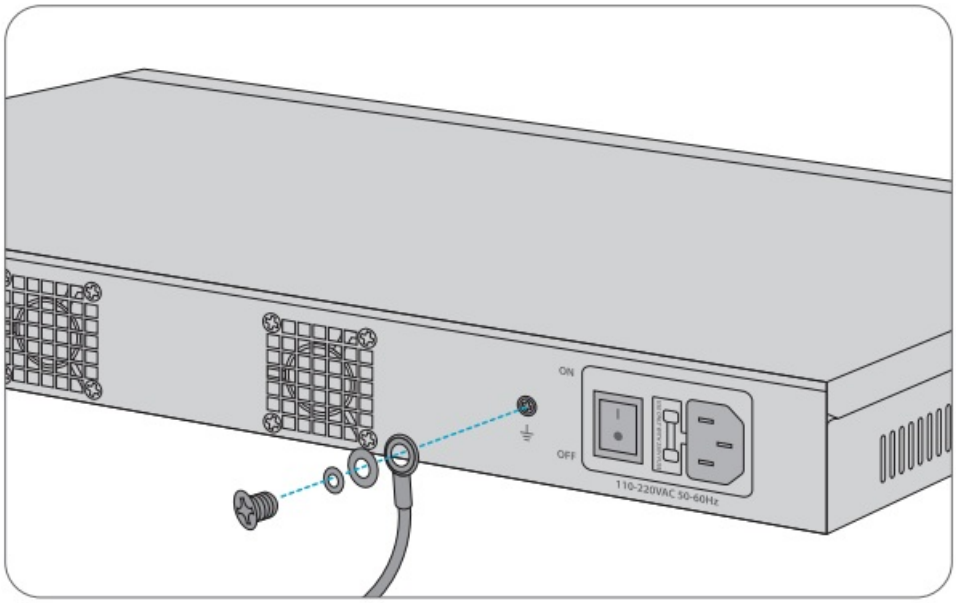


1. Secure the mounting brackets on the two sides of the controller with six M4 screws.



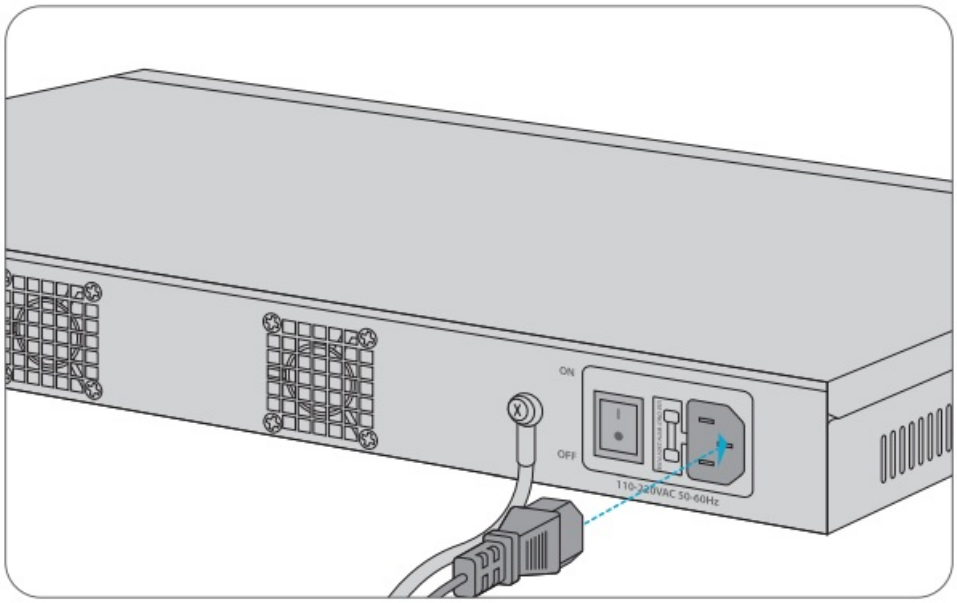
2. Attach the controller to the rack using four M6 screws and cage nuts.

Grounding the Controller



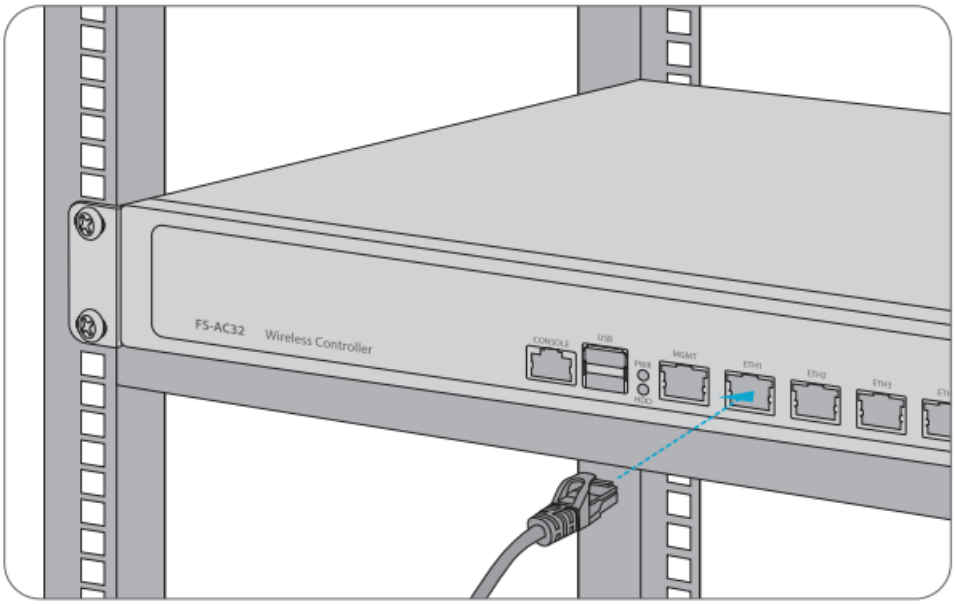
1. Connect one end of the grounding cable to a proper earth ground, such as the rack in which the controller is mounted.
2. Secure the grounding lug to the grounding point on the controller back panel with the washers and screws.

Connecting the Power



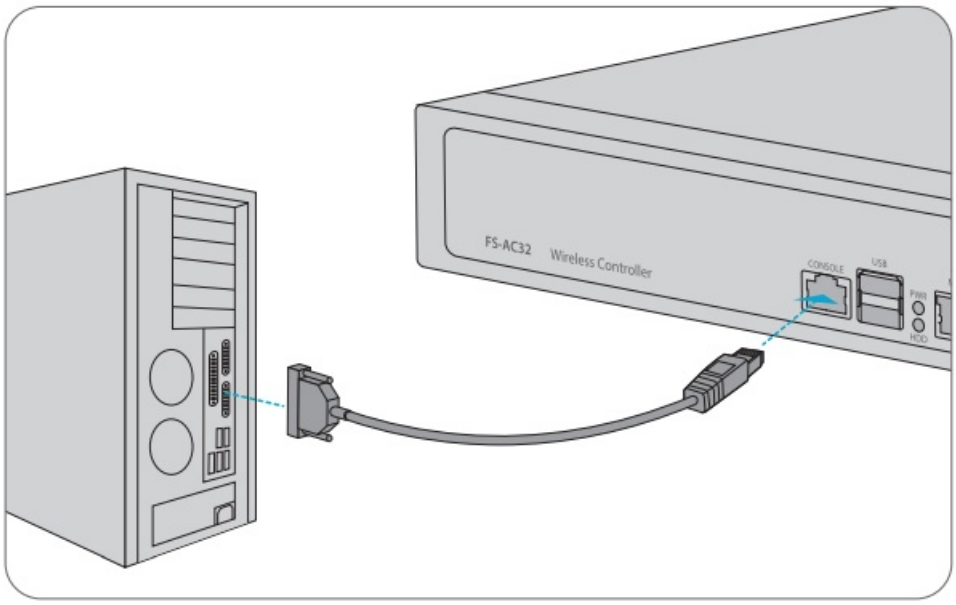
1. Plug the AC power cord into the power port on the back of the controller.
2. Connect the other end of the power cord to an AC power source.
   CAUTION: Do not install the power cord while the power is on, and when the power cord is connected, the fan will start to operate whether the power button is on or off.

Connecting the RJ45 Ports



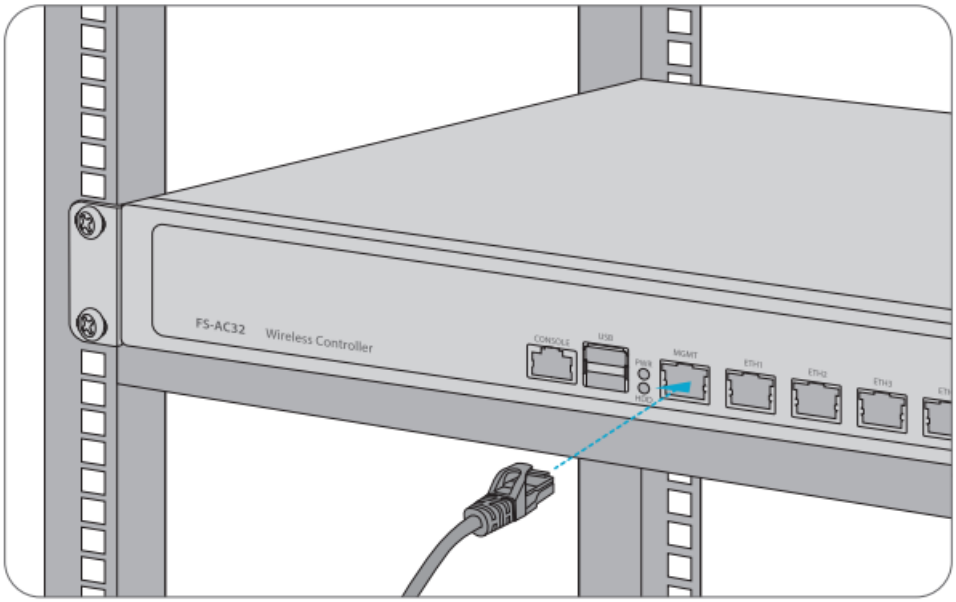
1. Connect an Ethernet cable to the RJ45 port of a computer or other network devices.
2. Connect the other end of the Ethernet cable to the RJ45 port of the controller.

Connecting the 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

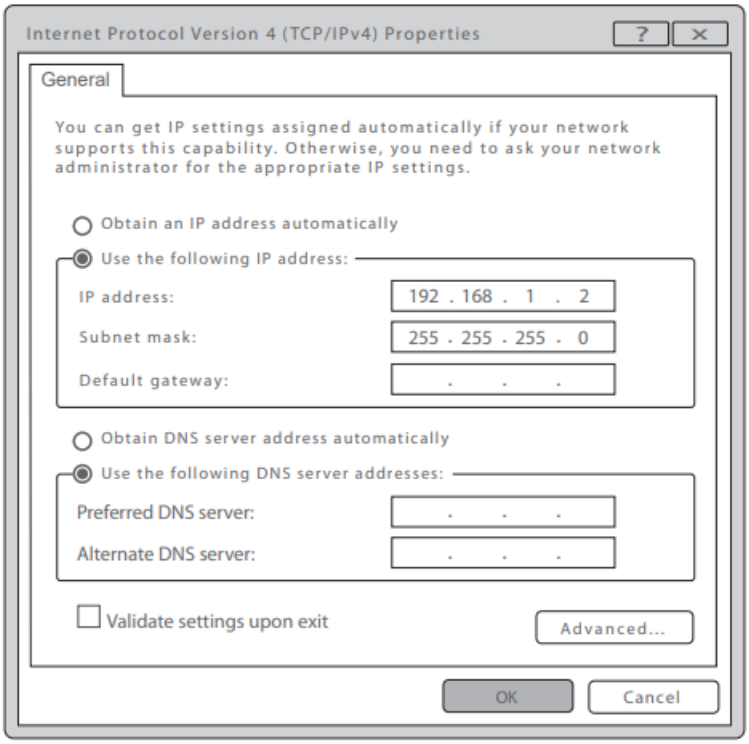


1. Connect one end of a standard RJ45 Ethernet cable to a computer.
2. Connect the other end of the cable to the MGMT port on the front of the controller.

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.)

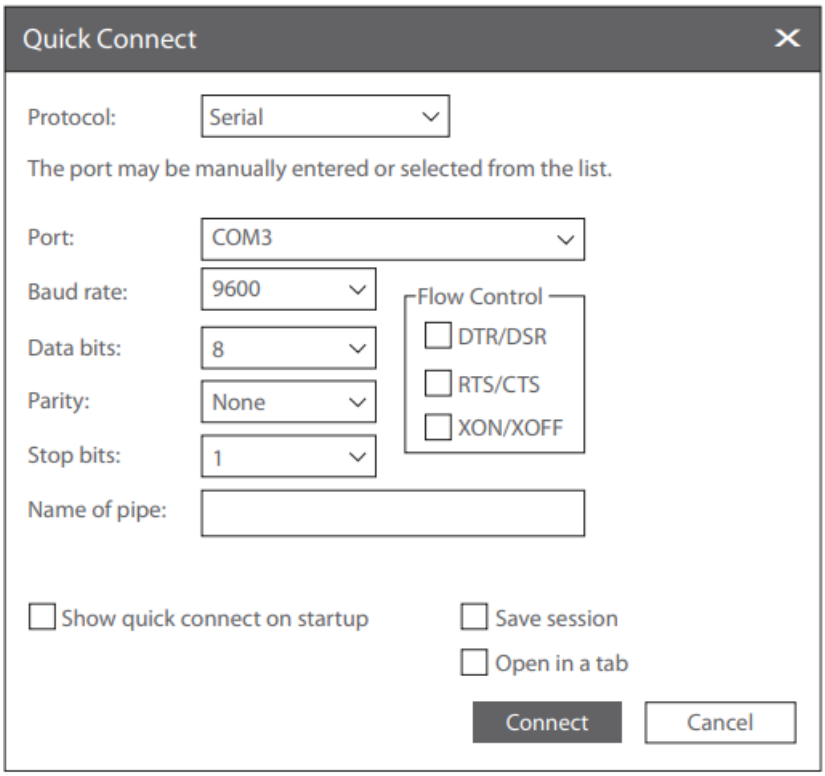


Step 3: Open a browser, type http://192.168.1.1, and enter the default username and password, admin/admin.

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/products_support.html
- **Help Center**
  https://www.fs.com/service/fs_support.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

Compliance Information

FCC
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, 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 into 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.

CAUTION:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

Responsible party (only for FCC matter)
FS.COM Inc.
380 Centerpoint Blvd, New Castle, DE 19720, United States
https://www.fs.com

FS.COM GmbH hereby declares that this device is in compliance with the Directive 2014/30/EU and 2014/35/EU. A copy of the EU Declaration of Conformity is available at
www.fs.com/company/quality_control.html
Die FS.COM GmbH erklärt hiermit, dass dieses Gerät mit der Richtlinie 2014/30/EU und 2014/35/EU konform ist. Eine Kopie der EU-Konformitätserklärung finden Sie unter
www.fs.com/de/company/quality_control.html.
FS.COM GmbH déclare par la présente que cet appareil est conforme à la Directive 2014/30/UE et 2014/35/UE. Une copie de la Déclaration UE de Conformité est disponible sur
https://www.fs.com/fr/company/quality_control.html

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Documents / Resources

	FS FS-AC32 Wireless LAN Controller [pdf] User Guide FS-AC32 Wireless LAN Controller, FS-AC32, Wireless LAN Controller, LAN Controller, Controller

References

- FS.com - Data Center, Enterprise, Telecom
- Quality Certification - FS.com
- Ein weltweit führender Anbieter von Hochgeschwindigkeits-Konnektivitätsgeräten und -lösungen. - FS.com Deutschland
- FS.com - Data Center, Enterprise, Telecom
- Contact Us - FS.com
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