



Preface

This section describes the objectives, audience, organization, and conventions of the *Cisco Aironet 1552 Series for Hazardous Locations Installation Guide*.

Objectives

This publication explains the steps for installing the Cisco Aironet 1552 Series Outdoor Mesh Access Point for Hazardous Locations (called the *access point* in this document).

The 1552 model is a dual-radio platform that supports dual-band (2.4 GHz and 5 GHz) operation.

Audience

This publication is for the person installing and configuring an access point for the first time. The installer should be familiar with network structures, terms, and concepts.


Warning

Only trained and qualified personnel should be allowed to install, replace, or service this equipment. Statement 1030


Warning

For Nordic countries (Norway, Finland, Sweden and Denmark) this system must be installed in a Restricted Access Location, where the voltage of the main ground connection of all equipment is the same (equipotential earth) and the system is connected to a grounded electrical outlet. Statement 328

Organization

This guide contains the following sections:

Chapter	Title	Description
Chapter 1	Overview	Describes the major components and features of the access point.
Chapter 2	Before You Begin	Provides warnings, safety information, and mounting information you need to install your access point. The chapter contains a new section that provides information and procedures for mounting the access point in Class I, Division 2/Zone 2 hazardous locations.
Chapter 3	Installing the 1552 Series Access Points in Hazardous Locations	Describes the procedures for installing the different models of the access point.
Chapter 4	Troubleshooting	Provides basic troubleshooting procedures for the access point.
Appendix A	Translated Safety Warnings	Indicates how to access the document that provides translations of the safety warnings that appear in this publication.
Appendix B	Declarations of Conformity and Regulatory Information	Describes the regulatory conventions to which the access point conforms and provides guidelines for operating access points in Japan.
Appendix C	Channels and Power Levels	Indicates how to access the document that lists the access point radio channels and the maximum power levels supported by the world regulatory domains.
Appendix D	Access Point Specifications	Lists technical specifications for the access point.
Appendix E	Access Point Pinouts	Describes the connector pinouts for the access point.
Appendix F	Configuring DHCP Option 43	Describes the procedure to configure DHCP Option 43.

Conventions

This publication uses the following conventions:

Convention	Description
boldface font	Commands, command options, and keywords are in boldface.
<i>italic font</i>	Arguments for which you supply values are in italics.
[]	Elements in square brackets are optional.

Convention	Description
screen font	Terminal sessions and information the system displays are in screen font.
boldface screen font	Information you must enter is in boldface screen font.
<i>italic</i> screen font	Arguments for which you supply values are in italic screen font.
^	The symbol ^ represents the key labeled Control. For example, the key combination ^D in a screen display means hold down the Control key while you press the D key.
< >	Nonprinting characters, such as passwords, are in angle brackets.

Notes use the following conventions:



Note

Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

Cautions use the following conventions:



Caution

Means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

Warnings use the following conventions:



Warning

IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device. Statement 1071

SAVE THESE INSTRUCTIONS

Related Documents

These documents provide complete information about the access point:

- *Release Notes for Cisco Wireless LAN Controllers and Lightweight Access Points*
- *Cisco Wireless LAN Controller Configuration Guide*
- *Cisco Aironet 1550 Series Outdoor Mesh Access Point Power Injector Installation Instructions*

Click this link to browse to the Cisco Wireless documentation home page:

<http://www.cisco.com/en/US/products/hw/wireless/index.html>

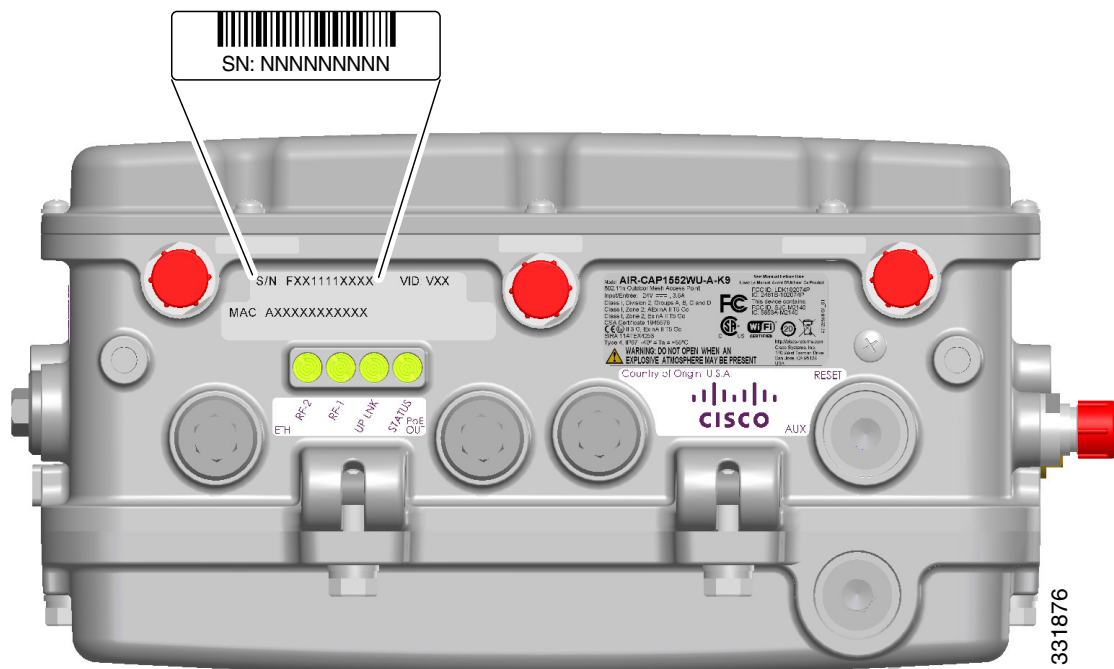
To browse to the access point documentation, click **Cisco Aironet 1550 Series** listed under “Outdoor and Industrial Wireless.” The documentation can be accessed from the Support box.

To browse to the Cisco Wireless LAN Controller documentation, click **Standalone Controllers** listed under “Wireless LAN Controllers.” The documentation can be accessed from the Support box.

Finding the Product Serial Number

The access point serial number is on the bottom of the access point (refer to [Figure 1](#)).

Figure 1 Location of Serial Number Label



The access point serial number label contains the following information:

- Model number, such as AIR-CAP1552SA/SD-x-K9.
- Serial number, such as WCN0636279B (11 alphanumeric digits).
- Access point MAC address, for example 68BDABF54600 (12 hexadecimal digits). It is located under the serial number.

You will need your product serial number when requesting support.

Obtaining Documentation, Support, and Security Guidelines for the ISA100 Wireless and WirelessHART Multiprotocol Radio

The ISA100 Wireless and WirelessHART Multiprotocol Radio is supported by the Honeywell Process Solutions group. For support for this module, please contact Honeywell as per the information in the following link:

<https://www.honeywellprocess.com/en-US/contact-us/customer-support-contacts/Pages/default.aspx>

For information on obtaining documentation and support, providing documentation feedback, security guidelines, and recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

To view all new wireless documentation, click on **Wireless**.

Obtaining Documentation, Support, and Security Guidelines for the WirelessHART Gateway

The WirelessHART Gateway is supported by Emerson Process Management.

Global Service Center

Software and Integration Support

1-800-833-8314 (United States)

+63-2-702-1111 (International)

Customer Central

Technical support, quoting, and order-related questions.

United States 1-800-999-9307 (7:00 am to 7:00 pm CST)

Asia Pacific +65-6777-8211

Europe/Middle East/ Africa +49-8153-9390

Outside of the United States, contact your local Emerson Process Management representative.

For information on obtaining documentation and support, providing documentation feedback, security guidelines, and recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

To view all new wireless documentation, click on **Wireless**.

