



About This Guide

This guide describes how to install and maintain the Cisco ASA 5500-X series appliances. Information in this guide applies to the following Cisco ASA 5500-X Series models: ASA 5512-X, ASA 5515-X, ASA 5525-X, ASA 5545-X, and ASA 5555-X. References to “Cisco ASA 5500-X Series” and “ASA” apply to all previously listed models unless specifically noted otherwise.

This preface includes the following sections:

- [Document Conventions, page 3](#)
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Document Conventions

This document uses the following conventions:

Convention	Indication
bold type	Commands and keywords and user-entered text appear in bold type.
<i>italic type</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic</i> type.
[]	Elements in square brackets are optional.
{x y z}	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	An unquoted set of characters. Do not use quotation marks around the string, or the string will include the quotation marks.
<code>monospace type</code>	Terminal sessions and information the system displays appear in <code>monospace</code> type.
<code>monospace bold type</code>	Commands and keywords and user-entered text appear in <code>monospace courier</code> type.
<code>monospace italic type</code>	Arguments for which you supply values are in <code>monospace italic</code> type.
< >	Non-printing characters such as passwords are presented in angle brackets.
[]	Default responses to system prompts are presented in square brackets.
!, #	An exclamation point (!) or a hash sign (#) at the beginning of a line of code indicates a comment line.

Note: Means *reader take note*.

Caution: Means *reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.

Installation Warnings

Be sure to read the Regulatory Compliance and Safety Information document (http://www.cisco.com/c/en/us/td/docs/security/asa/hw/regulatory/compliance/asa5500x_rcsi.html) before installing the chassis.

This section presents these important safety warnings:

- [Power Supply Disconnection Warning, page 4](#)
- [More than One Power Supply Warning, page 4](#)
- [Jewelry Removal Warning, page 5](#)
- [Wrist Strap Warning, page 5](#)
- [Work During Lightning Warning, page 5](#)
- [Installation Instructions Warning, page 5](#)
- [Chassis Warning for Rack-Mounting and Servicing, page 5](#)
- [Short-Circuit Protection Warning, page 5](#)
- [SELV Circuit Warning, page 5](#)
- [Ground Conductor Warning, page 5](#)
- [Faceplates and Cover Panels Warning, page 5](#)
- [Product Disposal Warning, page 5](#)
- [Compliance with Local and National Electrical Codes Warning, page 6](#)
- [TN Power Warning, page 6](#)
- [Multiple Power Cords, page 6](#)
- [Circuit Breaker \(15A\) Warning, page 6](#)
- [48 VDC Power System, page 6](#)
- [Grounded Equipment Warning, page 6](#)
- [Safety Cover Requirement, page 6](#)

Power Supply Disconnection Warning

Warning: Before working on a chassis or working near power supplies, unplug the power cord on AC units; disconnect the power at the circuit breaker on DC units. Statement 12

More than One Power Supply Warning

Warning: This unit has more than one power supply connection; all connections must be removed completely to completely remove power from the unit. Statement 102

Jewelry Removal Warning

Warning: Before working on equipment that is connected to a power source, remove jewelry (including rings, necklaces, and watches). Metal objects will heat when connected to power and ground, and can cause serious burns or weld the metal object to the terminals. Statement 43

Wrist Strap Warning

Warning: During this procedure, wear grounding wrist straps to avoid ESD damage to the card. Do not directly touch the backplane with your hand or any metal tool, or you could receive a shock. Statement 94

Work During Lightning Warning

Warning: Do not work on the system, or connect or disconnect cables during periods of lightning. Statement 1001

Installation Instructions Warning

Warning: Read all installation instructions before connecting the system to a power source. Statement 1004

Chassis Warning for Rack-Mounting and Servicing

Warning: To prevent bodily injury when mounting or servicing this unit in a rack, you must take special precautions to ensure that the system remains stable. The following guidelines are provided to ensure your safety: This unit should be mounted at the bottom of the rack if it is the only unit in the rack. When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack. If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack. Statement 1006

Short-Circuit Protection Warning

Warning: This product requires short-circuit (overcurrent) protection, to be provided as part of the building installation. Install only in accordance with national and local wiring regulations. Statement 1045

SELV Circuit Warning

Warning: To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. LAN ports contain SELV circuits, and WAN ports contain TNV circuits. Some LAN and WAN ports both use RJ-45 connectors. Use caution when connecting cables. Statement 1021

Ground Conductor Warning

Warning: This equipment must be grounded. Never defeat the ground conductor, or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority, or an electrician if you are not certain that suitable grounding is available. Statement 1024

Faceplates and Cover Panels Warning

Warning: Blank faceplates and cover panels serve three important functions: they prevent exposure to hazardous voltages and currents inside the chassis; they restrict electromagnetic interference (EMI) that might disrupt other equipment; and they direct the flow of cooling air through the chassis. Do not operate the system unless all cards, faceplates, front covers, and rear covers are in place. Statements 1029 and 142

Product Disposal Warning

Warning: Ultimate disposal of this product should be handled according to all national laws and regulations. Statement 1040

Compliance with Local and National Electrical Codes Warning

Warning: Installation of the equipment must comply with local and national electrical codes. Statement 1074

TN Power Warning

Warning: The device is designed to work with TN power systems. Statement 19

Multiple Power Cords

Warning: This unit has more than one power cord. To reduce the risk of electric shock when servicing a unit, disconnect the power cord of the power strip into which the unit is plugged. Statement 137

Circuit Breaker (15A) Warning

Warning: This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that a fuse or circuit breaker no larger than 120 VAC, 15A U.S. (240 VAC, 10A international) is used on the phase conductors (all current-carrying conductors). Statement 13

48 VDC Power System

Warning: The customer 48-volt power system must provide reinforced insulation between the primary AC power and the 48 VDC output. Statement 128

Grounded Equipment Warning

Warning: This equipment is intended to be grounded. Ensure that the host is connected to earth ground during normal use. Statement 39

Safety Cover Requirement

Warning: The safety cover is an integral part of the product. Do not operate the unit without the safety cover installed. Operating the unit without the cover in place will invalidate the safety approvals and pose a risk of fire and electrical hazards. Statement 117

Where to Find Safety and Warning Information

For safety and warning information, see the Regulatory Compliance and Safety Information document at the following URL:

http://www.cisco.com/c/en/us/td/docs/security/asa/hw/regulatory/compliance/asa5500x_rcsi.html

This RCSI document describes the international agency compliance and safety information for the Cisco ASA 5500-X series. It also includes translations of the safety warnings used in this guide.

Related Documentation

For a complete list of the Cisco ASA 5500-X series documentation and where to find it, see the documentation roadmap at the following URL:

<http://www.cisco.com/en/US/docs/security/asa/roadmap/asaroadmap.html>

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at [Cisco Profile Manager](#).
- To get the business impact you're looking for with the technologies that matter, visit [Cisco Services](#).
- To submit a service request, visit [Cisco Support](#).
- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit [Cisco Marketplace](#).
- To obtain general networking, training, and certification titles, visit [Cisco Press](#).
- To find warranty information for a specific product or product family, access [Cisco Warranty Finder](#).

Cisco Bug Search Tool

[Cisco Bug Search Tool](#) (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.

