



CHAPTER 1

Overview

Read through the entire guide before beginning any of the procedures in this book.



Warning

Only trained and qualified personnel should install, replace, or service this equipment. Statement 49



Caution

Read the safety warnings in the *Regulatory Compliance and Safety Information for the Cisco ASA 5500 Series* and follow proper safety procedures when performing these steps.

This chapter describes the product and the memory requirements and includes the following topics:

- [Product Overview, page 1-1](#)
- [Memory Requirements, page 1-3](#)

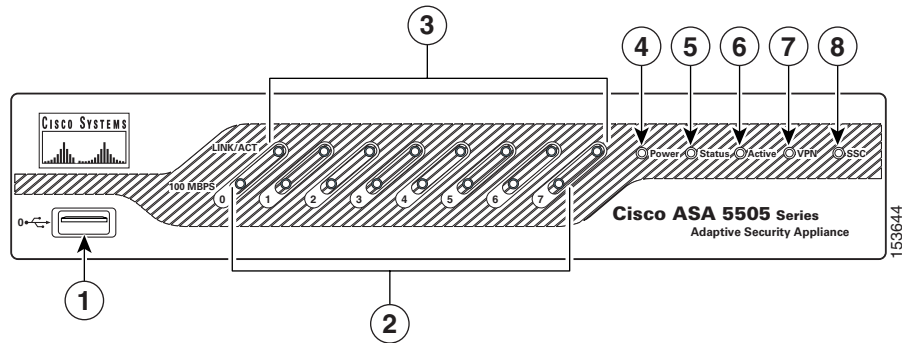
Product Overview

The Cisco ASA 5505 Adaptive Security Appliance delivers unprecedented levels of defense against threats to the network with deeper web inspection and flow-specific analysis, improved secure connectivity via end-point security posture validation, and voice and video over VPN support. It also provides enhanced support for intelligent information networks through improved network integration, resiliency, and scalability.

The adaptive security appliance software combines firewall, VPN concentrator, and intrusion prevention software functionality into one software image. Previously, these functions were available in three separate devices, each with its own software and hardware. Combining the functionality into just one software image provides significant improvements in the available features.

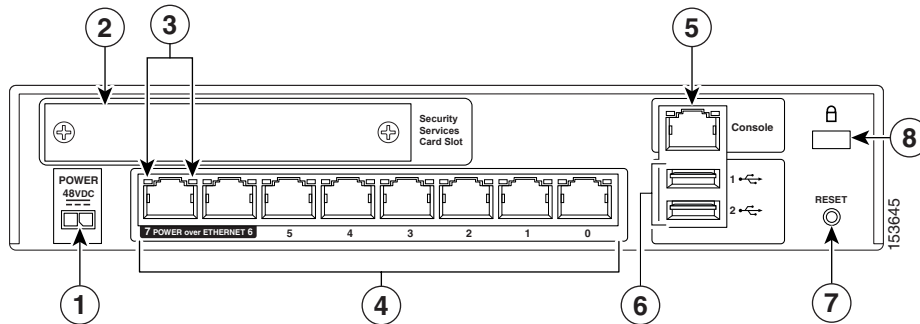
Additionally, the adaptive security appliance software supports Adaptive Security Device Manager (ASDM). ASDM is a browser-based, Java applet used to configure and monitor the software on the adaptive security appliances. ASDM is loaded from the adaptive adaptive security appliance, then used to configure, monitor, and manage the device.

This section describes the front and rear panels. [Figure 1-1](#) shows the front panel LEDs.

Figure 1-1 Front Panel LEDs and Ports

1	USB 2.0 interface	5	Status
2	100 Mbps	6	Active
3	LINK/ACT LEDs	7	VPN
4	Power	8	SSC

Figure 1-2 shows the rear panel LEDs and Ports.

Figure 1-2 Rear Panel LEDs and Ports (AC Power Supply Model Shown)

1	Power 48VDC	5	Console port
2	SSC slot	6	USB 2.0 interface
3	Network interface LEDs	7	Reset button
4	Network interfaces ¹	8	Lock slot

1. Ports 6 and 7 are 15-Watt output PoE ports, used for devices, such as IP phones, which can be powered by the network interface. They can also be used as regular Ethernet switch ports, just like the ports numbered 0 through 5.

Memory Requirements

The default DRAM memory is 256MB and the default internal flash memory is 128MB for the Cisco ASA 5505.

In a failover configuration, the two units must have the same hardware configuration. They must be the same model, have the same number and types of interfaces, and the same amount of RAM.

**Note**

The two units do not have to have the same size Flash memory. If using units with different Flash memory sizes in your failover configuration, make sure the unit with the smaller Flash memory has enough space to accommodate the software image files and the configuration files. If it does not, configuration synchronization from the unit with the larger Flash memory to the unit with the smaller Flash memory will fail.

For more information, see the *Cisco Security Appliance Command Line Configuration Guide*.

Memory Requirements for the Software Version 8.3 and Later

For information on memory requirements for the adaptive security appliance for software Version 8.3 or later, go to:

http://www.cisco.com/en/US/prod/collateral/vpndevc/ps6032/ps6094/ps6120/product_bulletin_c25-586414.html

