



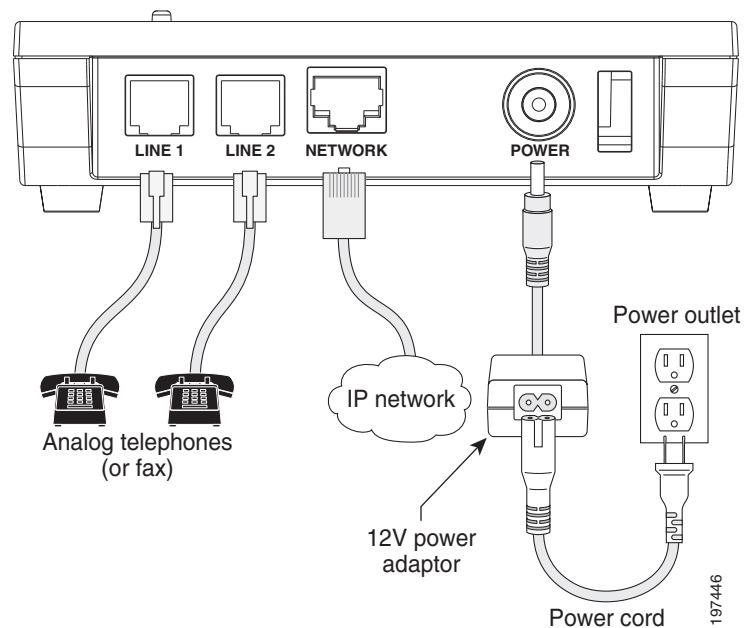
CHAPTER 3

Installing the ATA 187

This section describes how to connect the ATA 187 hardware and configure the ATA 187 by loading the QED and firmware files. You must install the QED file first and then install the firmware file.

After the equipment is in place, see [Figure 3-1](#) and follow the procedure to install the ATA 187.

Figure 3-1 Cisco ATA Rear Panel Connections



Network Requirements

The ATA 187 acts as an endpoint on an IP telephony network. The following equipment is required:

- Call Control system
- Voice packet gateway—Required if you are connecting to the Public Switched Telephone Network (PSTN). A gateway is not required if an analog key system is in effect.
- Ethernet connection

Safety Recommendations

To ensure general safety, follow these guidelines:

- Do not get this product wet or pour liquids into this device.
- Do not open or disassemble this product.
- Do not perform any action that creates a potential hazard to people or makes the equipment unsafe.
- Use only the power supply that comes with the ATA 187.



Warning

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



Warning

Read the installation instructions before you connect the system to its power source.



Warning

The plug-socket combination must be accessible at all times because it serves as the main disconnecting device.



Warning

Do not work on the system or connect or disconnect cables during periods of lightning activity.



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.

For translated warnings, see the *Regulatory Compliance and Safety Information for the Cisco ATA 187* manual.

What the ATA 187 Package Includes

The ATA 187 package contains the following items:

- Cisco ATA 187 Analog Telephone Adaptor
- *Cisco ATA 187 Analog Telephone Adaptor at a Glance*
- *Cisco ATA 187 Analog Telephone Adaptor (SIP) Product Safety and User Manual*
- Regulatory Compliance and Safety Information for the ATA 187
- 12V power adaptor
- Power cord



Note

The ATA 187 is intended for use only with the 12V DC power adaptor that comes with the unit.

Installing the ATA 187

To install an ATA 187, follow these steps:

Procedure

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- | | |
|---------------|---|
| Step 1 | Connect the power supply to the Cisco DC Adapter port. |
| Step 2 | Connect a straight-through Ethernet cable from the network to the 10/100 SW port on the ATA 187. Each ATA 187 ships with one Ethernet cable in the box. |
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**Note**

You can use either Category 3/5/5e/6 cabling for 10 Mbps connections, but you must use Category 5/5e/6 for 100 Mbps connections.

Attaching a Phone to the ATA 187

You can attach one or two phones to an ATA 187 by connecting them to a line port of the ATA 187 with a RJ11 cable. The line LED will blink when there is activity on that line.

Verifying the ATA 187 Startup Process

After the ATA 187 has power connected to it, the phone begins its startup process by cycling through these steps:

1. The LEDs are on.
 - a. Power
 - b. Line 1
 - c. Line 2
 - d. Set Up

The ATA 187 boots up in this step; it may take up to one minute.

2. The LEDs flash.

The ATA 187 is launching its application in this step.

3. Only the Power LED is on.

The ATA 187 is registering with Cisco Unified Communications Manager. You will hear a busy tone when you go offhook on the phone. It can take up to one minute for this to complete.

4. All of the LEDs flash again (Optional).

If the ATA 187 flash memory is erased or the load is corrupted, all the LEDs will flash again. The ATA 187 will download the image files and write to the flash. The ATA 187 will reboot and start from step 1.

When you go offhook on the phone, you will see the line LED on and you will hear dial tone. The ATA 187 has completed the startup process.

Configuring Startup Network Settings

If you are not using DHCP in your network, you must configure these network settings on the ATA 187 after installing the device on the network:

- IP subnet information (subnet mask for IPv4)
- TFTP server IP address

You may also configure these optional settings as necessary:

Administration VLAN ID

Collect this information and see instructions in [Chapter 8, “Voice Menu Codes”](#).

Configuring Security on the ATA 187

The security features protect against several threats, including threats to the identity of the phone and to data. These features establish and maintain authenticated communication streams between the phone and the Cisco Unified Communications Manager server, and digitally sign files before they are delivered.

For more information about the security features, see the *Cisco Unified Communications Manager Security Guide*.

You can initiate the installation of a Locally Significant Certificate (LSC) from the Security Configuration menu on the phone. This menu also lets you update or remove an LSC.

Before you begin, make sure that the appropriate Cisco Unified Communications Manager and the CAPF security configurations are complete:

- On Cisco Unified Communications Operating System Administration, verify that the CAPF certificate has been installed
- The CAPF is running and configured

See the *Cisco Unified Communications Manager Security Guide* for more information.

**Note**

If you want to update LSC, you need to use *reset to factory default* from [Chapter 8, “Voice Menu Codes”](#).