



## Overview

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This chapter provides an overview of the Cisco AS5350 universal gateway, a versatile data and voice communications platform that provides high performance, high density, and hot-swap capability in only one rack unit.

The Cisco AS5350 is intended for small- to medium-size companies who require dense and scalable solutions to create new multiservice access networks, replace existing gateway hardware, or expand and enhance their current access offering. The Cisco AS5350 provides you with a cost-effective platform for deploying the widest range of IP-based services.

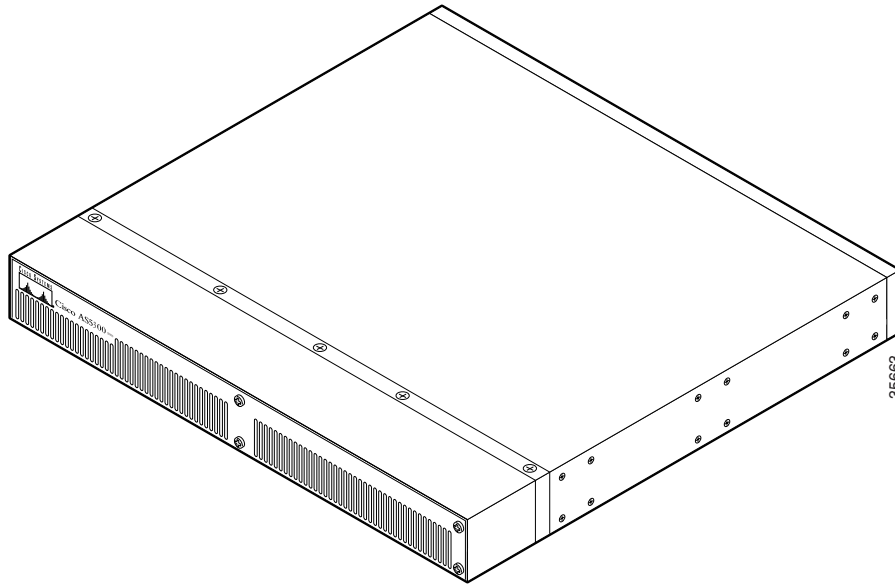
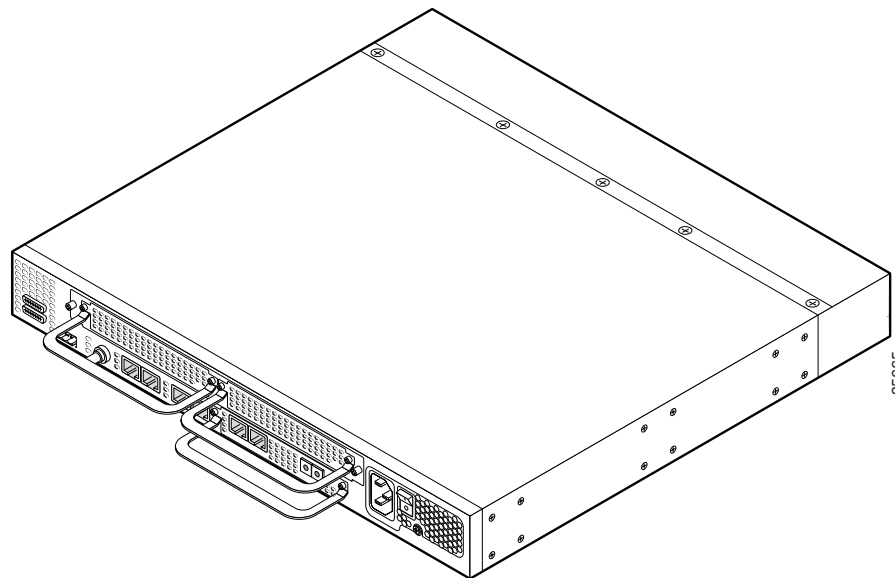
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## Chassis Components

The chassis consists of the following components:

- One modular chassis with motherboard, high-speed backplane and three DFC slots (see Figure 1-1 and Figure 1-2)
- Building Integrated Timing System (BITS) interface port
- Two Fast Ethernet (2FE) LAN ports
- Two T serial ports for backhaul WAN support
- Fast console auxiliary ports for local administrative access
- An integral AC or DC power supply
- Replaceable fan tray

**Figure 1-1 Cisco AS5350 Front Panel****Figure 1-2 Cisco AS5350 Rear Panel**

## Dial Feature Cards (DFCs)

The Dial Feature Card (DFC) is a 5.1 by 13 inch PCI-based interface board that allows online insertion and removal (OIR) of trunk ingress, and modem cards without rebooting or powering off the system.

The chassis includes one backplane slot which accepts a DFC carrier card. The DFC carrier card accepts two DFCs, which allow OIR. The motherboard accepts one DFC in its own dedicated slot.

**Note**

For details on cards, installation, and troubleshooting, see the *Cisco AS5350 Universal Gateway Card Installation Guide*. This document is available on the World Wide Web and the documentation CD-ROM that comes with your universal gateway. (See the “Related Documentation” section on page xii.)

## Power Supply

The power system is comprised of a single AC or DC power supply or a redundant AC or DC power supply. Cooling is provided by two self-contained fans.

**Note**

The Cisco AS5350 redundant power supply is supported in Cisco IOS Release 12.2(2)XB5 or later.

Each power module is capable of supplying a maximum DC load of 150 watts, and is composed of four independent output voltages: 3.3V, 5V, 12V, and -12V. AC input units have power factor correction, and low Total Harmonic Distortion. Power failures are reported through environmental monitoring software.

Check the power at your site to ensure that you are receiving “clean” power (free of spikes and noise). Install a power conditioner if necessary.

## Chassis Specifications

**Table 1-1 Chassis Specifications**

| Description                                  | Specification                                     |
|----------------------------------------------|---------------------------------------------------|
| Dimensions (H x W x D)                       | 1.73 x 17.5 x 20.5 in. (4.39 x 44.45 x 52.07 cm)  |
| Weight                                       | 22 lb maximum (10 kg)                             |
| Processor                                    | 250 MHz                                           |
| Operating temperature                        | 32 to 104°F (0 to 40°C)                           |
| Operating humidity                           | 5 to 95%, noncondensing                           |
| Noise level                                  | 55 dB <sup>1</sup> @ 3 ft (0.914 m)               |
| Input voltage, AC power supply               | 100 to 240 VAC <sup>2</sup> ; -10%, +6% tolerance |
| Current                                      | 2.0 to 1.0 A; dependent on load                   |
| Frequency                                    | 50/60 Hz                                          |
| Power factor                                 | 0.80 to 0.90                                      |
| Input AC power                               | 140 to 170W; dependent on load                    |
| Input voltage, DC power supply               | -48/-60 Vdc, -10%, +10% tolerance                 |
| Maximum input current                        | 3 A (1.5-2.0 A typical)                           |
| Input DC power                               | 150 W (maximum)                                   |
| WAN interface options                        | T1 and E1 dial feature cards                      |
| Serial interfaces (for backhaul WAN support) | 2 serial line interfaces                          |
| LAN interface options                        | 2 Fast Ethernet 10/100BASE-T (RJ-45) ports        |

**Table 1-1 Chassis Specifications (continued)**

| <b>Description</b>          | <b>Specification</b>                                                                                                                                                                                                                                                                        |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Console and auxiliary ports | Asynchronous serial (RJ-45)                                                                                                                                                                                                                                                                 |
| Regulatory compliance       | See the <i>Regulatory Compliance and Safety Information</i> document that shipped with your universal gateway. This document is available on the World Wide Web and the documentation CD-ROM that comes with your universal gateway. (See the “Related Documentation” section on page xii.) |

1. dB = decibels.
2. VAC = volts alternating current.