



Product Overview

The Catalyst enterprise LAN switches facilitate the migration from traditional shared-hub LANs to large-scale, fully integrated internetworks. These switches provide switched connections to individual workstations, servers, LAN segments, backbones, or other switches, using a variety of media.

This chapter consists of these sections:

- [Catalyst 4000 Family Switches, page 1-1](#)
- [Catalyst 2948G Switch, page 1-2](#)
- [Catalyst 2980G Switch, page 1-3](#)
- [Supervisor Engine Software, page 1-3](#)

Catalyst 4000 Family Switches



Note

For installation information and a complete description of the Catalyst 4000 family switch hardware, refer to the *Catalyst 4000 Family Installation Guide*, *Catalyst 4500 Family Installation Guide*, and the *Catalyst 4912G Installation Guide*.

[Table 1-1](#) describes the Catalyst 4000 family switches.

Table 1-1 Catalyst 4000 Family Switches

| Product Number | Chassis Description |
|-----------------------------|---|
| Catalyst 4000 Series | |
| WS-C4003 | Catalyst 4003 <ul style="list-style-type: none">• Modular 3-slot chassis• Optional redundant power supplies |
| WS-C4006 | Catalyst 4006 <ul style="list-style-type: none">• Modular 6-slot chassis• 30-Gbps backplane• Two power supplies, with optional third power supply |

Table 1-1 Catalyst 4000 Family Switches (continued)

| Product Number | Chassis Description |
|-----------------------------|--|
| WS-C4912G | Catalyst 4912G <ul style="list-style-type: none"> • Fixed-configuration switch • 12-Gbps backplane • Optional redundant power supplies • 12 1000BASE-X (GBIC) Gigabit Ethernet ports |
| Catalyst 4500 Series | |
| WS-C4503 | Catalyst 4503 <ul style="list-style-type: none"> • Modular 3-slot chassis • 28-Gbps full duplex backplane • Optional redundant power supplies |
| WS-C4506 | Catalyst 4506 <ul style="list-style-type: none"> • Modular 6-slot chassis • 64 Gbps full duplex • Optional redundant power supplies |

Catalyst 2948G Switch



Note

For installation information and a complete description of the Catalyst 2948G switch hardware, refer to the *Catalyst 2948G and 2980G Installation Guide*.

[Table 1-2](#) describes the Catalyst 2948G switch.

Table 1-2 Catalyst 2948G Switch

| Product Number | Chassis Description |
|----------------|---|
| WS-C2948G | Catalyst 2948G <ul style="list-style-type: none"> • Fixed-configuration switch • 12-Gbps backplane • Optional redundant power supplies • Two 1000BASE-X (GBIC) Gigabit Ethernet ports • 48 10/100BASE-TX Fast Ethernet ports |

Catalyst 2980G Switch

**Note**

For installation information and a complete description of the Catalyst 2980G switch hardware, refer to the *Catalyst 2948G and 2980G Installation Guide*.

[Table 1-3](#) describes the Catalyst 2980G switch.

Table 1-3 Catalyst 2980G Switch

| Product Number | Chassis Description |
|----------------|---|
| WS-C2980G | Catalyst 2980G <ul style="list-style-type: none">• Fixed-configuration switch• 12-Gbps backplane• Optional redundant power supplies• Two 1000BASE-X (GBIC) Gigabit Ethernet ports• 80 10/100BASE-TX Fast Ethernet ports |

Supervisor Engine Software

The supervisor engine software is factory installed on every supervisor engine module or fixed-configuration switch. Some modules require an additional software image, which is factory installed on the module.

The Catalyst enterprise LAN switches share a command-line interface (CLI) with which you can configure modules and ports on the switches. For more information, see [Chapter 2, “Using the Command-Line Interface.”](#) For descriptions of the available CLI commands, refer to the *Command Reference—Catalyst 4000 Family, Catalyst 2948G, and Catalyst 2980G Switches*.

