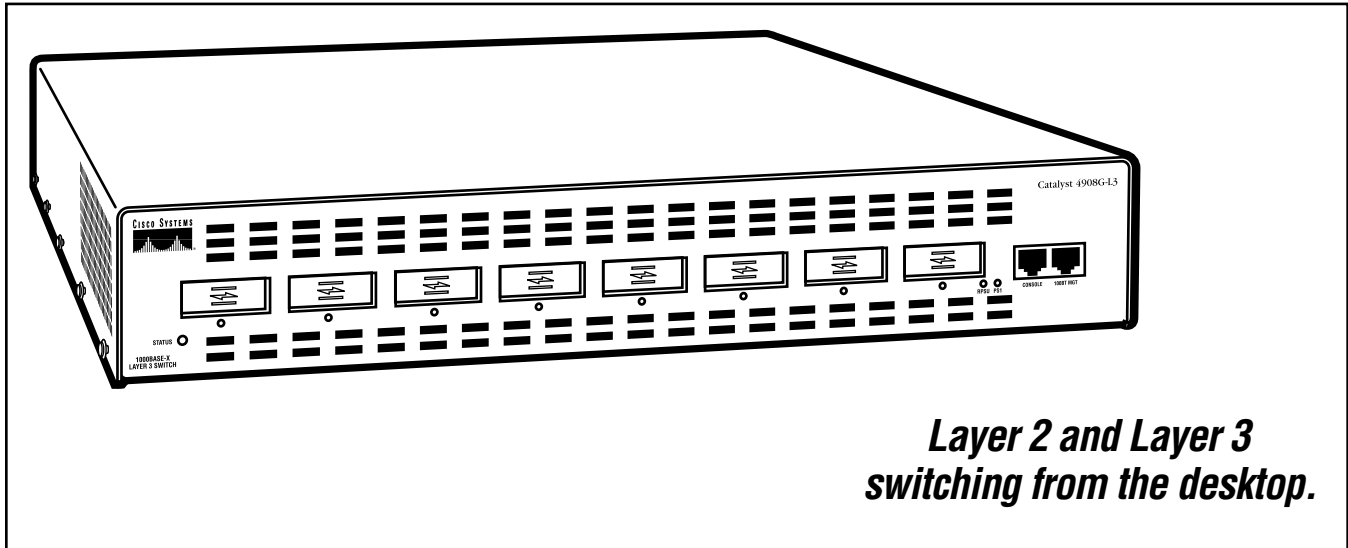


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# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### CISCO CATALYST SWITCHES



**Layer 2 and Layer 3  
switching from the desktop.**

### Key Features

- ▶ **Gigabit Interface Converter (GBIC) support.**
- ▶ **Layer Three switching includes advanced IP routing as well as IPX and IP Multicast.**
- ▶ **Dedicated 48-port 10/100-Mbps Ethernet and 2-port 1000BASE-X Gigabit Ethernet.**
- ▶ **Comprehensive management tools available.**
- ▶ **4-MB shared memory architecture.**

Cisco Catalyst Switches offer high-performance Ethernet switching in a variety of port options. These Switches are exactly what you need for integrating 10/100 and 1000 Mbps in your LAN.

#### 8-Port 1000BASE-X Gigabit Switch

The 8-Port Switch is a high-performance Ethernet switch that should be used with mid-size campus backbones with Layer 3 switching. It has eight Gigabit Ethernet ports.

The Switch's 22-Gbps architecture allows all ports to simultaneously perform Layer 3 switching at wire speed. And with all Gigabit Ethernets supporting GBIC technology, network managers are free to increase

their multiprotocol backbones without the addition of a parallel network.

In addition to its Layer 3 switching and routing abilities, the 8-Port Switch is also capable of routing protocols such as IP, IPX, and IP Multicast.

The Switch is located inside a 1.5U chassis and may be fitted with an optional power supply.

#### 48-Port Layer 2 Enterprise Desktop Switch

The 48-Port Desktop Switch is perfect for your desktop switching needs. It delivers Layer 2 switching ideal for the wiring center as well as high-density 10/100/1000-Mbps Ethernet.

The 48-Port Desktop Switch is known for relieving network congestion while it improves your

overall performance. Complete with software established in supporting multiple switching features, the 48-Port Desktop Switch is compatible with other Catalyst switches.

The 48-Port Desktop Switch features dedicated 48-port 10/100-Mbps Ethernet and 2-port 1000BASE-X Gigabit Ethernet. Plus, it includes a hot-swappable external power supply.

#### 48-Port Layer 2 Stackable Gigabit Switch

Creating high-performance LANs? The 48-Port Stackable Gigabit Switch delivers the performance you need.

With 48 10/100 ports and two GBIC-based Gigabit Ethernet ports, the 48-Port Stackable Gigabit Switch can deliver



(continued from page 1)

8-million pps performance. Plus, it offers you the ability to choose a stacking method and an uplink configuration—and change them anytime you like.

The 48-Port Stackable Gigabit Switch is autosensing (10/100) and features Cisco IOS® software support.

## Specifications

### 8-Port 1000BASE-X Gigabit Switch

**Management:** SNMP Management Information Base (MIB) II

**Speed:** 10/100/1000 Mbps

**Standards:** IEEE 802.3x: Full duplex 1000BASE-X ports; IEEE 802.1D Spanning-Tree Protocol; IEEE 802.1Q VLAN; IEEE 802.3z 1000BASE-X specification; 1000BASE-X (GBIC); 1000BASE-SX; 1000BASE-LX/LH; 1000BASE-ZX

**Connectors:** 1000BASE-X GBIC ports: SC fiber connectors, single-mode or multimode fiber; Console and auxiliary port: RJ-45 connectors, RS-232 serial cabling

**Indicators:** Per-port status LEDs: Link Up/Link Down

**Power:** 100–240 VAC, 50–60 Hz

**Size:** 2.7"H x 17.1"W x 18"D (6.9 x 43.4 x 45.7 cm)

**Weight:** 18 lb. (8.2 kg)

### 48-Port Layer 2 Enterprise Desktop Switch

**Management:** Cisco Works 2000 Network Management Suite, Cisco Discovery Protocol, Virtual Trunking Protocol (VTP), SNMP, MIB, Ethernet MIB, SNMP MIB II, RMON, RMON II, etc.

**Standards:** Ethernet: IEEE 802.3, 10BASE-T; Fast Ethernet: IEEE 802.3u, 100BASE-TX; Gigabit Ethernet: IEEE 802.3z, IEEE 802.3x; 1000BASE-X (GBIC); 1000BASE-SX/1000BASE-LX/LH; VLAN Trunking/Tagging: IEEE 802.1Q; Spanning-Tree Protocol: IEEE 802.1D

**Indicators:** 48-port 10/100-Mbps Fast Ethernet autosensing, autonegotiating [Status: Green (operational)/Red (faulty)]; 2-port 1000BASE-X Gigabit Ethernet [Status: Green (operational)/Red (faulty)]

**Power:** 100–200 VAC, 50–60 Hz, 2 A max.

**Size:** 2.6"H x 17.5"W x 15"D (6.6 x 44.5 x 38.1 cm)

**Weight:** 13 lb. (5.9 kg)

### 48-Port Layer 2 Stackable Gigabit Switch

**Management:** SNMP MIB II, SNMP MIB extensions, Bridging MIB

**Standards:** IEEE 802.3x full duplex: 10BASE-T, 100BASE-TX, and 1000BASE-X ports; IEEE 802.1D Spanning-Tree Protocol; IEEE 802.1p CoS Prioritization; IEEE 802.1Q VLAN; IEEE 802.3z 1000BASE-X specification; 1000BASE-X (GBIC); 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-ZX; IEEE 802.3u 100BASE-TX specification; IEEE 802.3 10BASE-T specification

**Connectors:** 10BASE-T ports: RJ-45 connectors; 100BASE-TX ports: RJ-45 connectors; 1000BASE-X GBIC ports: SC fiber connectors; Management console port: RJ-45 connector

**Indicators:** Per-port status LEDs: Link integrity, disabled, activity, speed, and full-duplex indications; System status LEDs: System, RPS, and bandwidth utilization indications

**Power:** 100–240 VAC (autoranging), 50–60 Hz

**Size:** 1.8"H x 17.5"W x 15.3"D (4.6 x 44.5 x 39 cm)

**Weight:** 11 lb. (5 kg)

## Ordering Information

ITEM	CODE
Cisco Catalyst Switches	
8-Port 1000BASE-X Gigabit Switch.....	WS-C4908G
48-Port Layer 2 Enterprise Desktop Switch.....	WS-C2948G
48-Port Layer 2 Stackable Gigabit Switch .....	WS-C3548-XL-EN

