Cisco SR2024C Compact 24-Port 10/100/1000 Gigabit Switch
Cisco Small Business Unmanaged Switches

High-Performance, Easy-to-Use Switch for Small Businesses

Highlights

- Connects up to 24 network devices, with high-speed ports optimized to support bandwidth-intensive applications such as video streaming, complex graphics, animation, high-resolution imaging, and data storage
- Reduces transfer times for large data files from minutes to seconds
- Provides faster access to business-critical information and resources on the network
- Works right out of the box, with no software to configure

Figure 1.   Cisco SR2024C Compact 24-Port 10/100/1000 Gigabit Switch

Product Overview

The Cisco® SR2024C Compact 24-Port 10/100/1000 Gigabit Switch (Figure 1) provides nonblocking, wire-speed switching for your 10, 100, and 1000 megabit network clients. Use this switch to replace your current workgroup hub or switch, and you can upgrade your high-requirement workstations to full Gigabit speeds as necessary, while continuing to service other clients at their current speeds. Or build your network from the ground up, with appropriate link speeds for each user's requirements. Either way, it's ideal for graphics, multimedia, and other applications that have to move large files across the network quickly. And when you need to expand your network even further, the two mini Gigabit Interface Converter (mini-GBIC) ports let you add fiber-optic capability easily and cost-effectively.

With the Cisco SR2024C, you can connect your existing 10/100 Ethernet network to a Gigabit server backbone without any additional equipment. All ports have automatic medium dependent interface (MDI) and MDI crossover (MDI-X) cable detection, so you don't have to worry about the cable type. Each port independently and automatically negotiates for best speed and whether to run in half- or full-duplex mode. Address Learning and Aging is supported, as well as 802.3x flow control with head-of-line (HOL) blocking prevention to keep your high-speed clients from bogging

down in lower-speed traffic. Fast store-and-forward switching prevents damaged packets from being passed on to the network.

World-famous Cisco reliability gives you peace of mind, and the rack-mount form factor integrates smoothly into your network infrastructure. Let the Cisco SR2024C Compact 24-Port 10/100/1000 Gigabit Switch kick your network into high gear.

Features

- 24 RJ-45 ports for 10BASE-T/100BASE-TX/1000BASE-TX connections
- Auto negotiation of half-duplex and full-duplex mode for all ports
- Auto MDI/MDI-X support on all ports for easy cable detection
- Efficient MAC address learning engine supports up to 8000 MAC addresses
- Store-and-forward forwarding scheme
- Standard width and mounting kit (included) for easy installation into a rack
- Two mini-GBIC ports for easy expansion to other mini-GBIC-equipped switches
- Integrated 256-KB packet buffer memory
- Supports jumbo frames of 9 KB
- Supports IEEE 802.3x full-duplex operation
- Complies with European Union Restriction of Hazardous Substances (RoHS)

Specifications

Table 1 gives the specifications, minimum requirements, and package contents for the Cisco SR2024C Compact 24-Port 10/100/1000 Gigabit Switch.

Table 1.   Specifications for the Cisco SR2024C Compact 24-Port 10/100/1000 Gigabit Switch

Specifications	
Standards	IEEE 802.3, 802.3u, 802.3x, and 802.3ab
Ports	24 RJ-45 10/100/1000 + 2 mini-GBIC ports
Cabling type	Category 5 Ethernet or better
LEDs	System, 1 through 24
Environmental	
Dimensions W x H x D	10.98 x 1.75 x 9.45 in. (279 mm x 44.45 mm x 240 mm)
Unit weight	4.78 lb (2.17 kg.)
Power	110–120V AC, 100W
Certification	FCC Class A, CE
Operating temperature	32º to 104ºF (0º to 40ºC)
Storage temperature	-40º to 158ºF (-40º to 70ºC)
Operating humidity	20% to 95% relative humidity
Storage humidity	5% to 95% noncondensing
Package Contents	
• Cisco SR2024C Compact 24-Port 10/100/1000 Gigabit Switch • AC power cord • User guide with online registration card • Set of rack-mounting brackets	
Minimum Requirements	

- Category 5 Ethernet network cable
- TCI/IP installed on each computer within the network
- Network adapter installed in each computer
- Network operating system (Windows, Linux, or Mac OS X)

Product Warranty

Limited lifetime hardware warranty with return to factory replacement and 1-year limited warranty for fans and power supplies

Cisco Limited Lifetime Hardware Warranty

Cisco Small Business products offer a limited lifetime hardware warranty with return to factory replacement and a 1-year limited warranty for fans and power supplies. In addition, Cisco offers software application updates for bug fixes and telephone technical support at no charge for the first 12 months following the date of purchase. To download software updates, go to: http://www.cisco.com/go/smallbiz.

Product warranty terms and other information applicable to Cisco products are available at http://www.cisco.com/go/warranty.

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