

Cisco SR2016 16-Port 10/100/1000 Gigabit Switch Cisco Small Business Unmanaged Switches

Wire-Speed Switching and Cisco Reliability in a 16-Port Gigabit Switch

Highlights

- Connect up to 16 network devices - PCs, printers, and servers - to share and transfer files and videos across your network
- High-speed connectivity to support bandwidth-intensive applications
- Works right out of the box with no software to configure
- Rack-mount installation

Figure 1. Cisco SR2016 16-Port 10/100/1000 Gigabit Switch



Product Overview

The Cisco® SR2016 16-Port 10/100/1000 Gigabit Switch (Figure 1) provides nonblocking, wire-speed switching for your 10-, 100-, and 1000- megabit (Mb) 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 perfect for graphics, multimedia, and other applications that have to move large files across the network quickly.

With the Cisco SR2016, 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 determines whether to run in half- or full-duplex mode. Address Learning and Aging are supported, as well as 802.3x flow control with head-of-line 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.

The rack-mount form factor integrates smoothly into your network infrastructure. Let the Cisco SR2016 16-Port 10/100/1000 Gigabit Switch kick your network into high gear.

Features

- 16 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
- Integrated 256-KB packet buffer memory
- Supports jumbo frame of 9 KB
- Supports IEEE 802.3x full-duplex operation
- European Union Restriction of Hazardous Substances (RoHS) compliant

Specifications

Table 1 gives the specifications, minimum requirements, and package contents for the Cisco SR2016 16-Port 10/100/1000 Gigabit Switch.

Table 1. Specifications for the Cisco SR2016 16-Port 10/100/1000 Gigabit Switch

Specifications	
Standards	IEEE 802.3, 802.3u, 802.3x, 802.3ab
Ports	16 RJ-45 10/100/1000
Cabling type	Category 5 Ethernet or better
LEDs	System, 1 through 16
Environmental	
Dimensions (W x H x D)	11.00 x 1.75 x 9.45 in. 279.4 x 44.5 x 240 mm
Unit weight	4.75 lb (2.155 kg)
Power	12V DC / 500mA
Certification	FCC Class A, CE
Operating temperature	32° to 104°F (0° to 40°C)
Storage temperature	-40° to 158°F (-40° to 70°C)
Operating humidity	20% to 95% relative humidity
Storage humidity	5% to 95% noncondensing
Minimum Requirements	
	<ul style="list-style-type: none"> • Category 5 Ethernet network cable • TCI/IP installed on each computer within the network • Network adapter installed in each computer • Network operating system (e.g., Windows, Linux, Mac OS X)
Package Contents	
	<ul style="list-style-type: none"> • Cisco SR2016 16-Port 10/100/1000 Gigabit Switch • AC power cord • User guide with online registration card • Set of rack-mounting brackets
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>.

For More Information

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