

Cisco 300 Series Switches Cisco Small Business



Easy-to-Use Managed Switches that Provide the Ideal Combination of Features and Affordability

To stay ahead in a competitive marketplace, small businesses need to make every dollar count. That means getting the most value from your technology investments, but it also means making sure that employees have fast, reliable access to the business tools and information they need. Every minute an employee waits for an unresponsive application – and every minute your network is down – has an impact on your bottom line. The importance of maintaining a strong and dependable business network only grows as your business adds more employees, applications, and network complexity.

When your business needs advanced security and features but value is still a top consideration, you're ready for the new generation of Cisco® Small Business managed switches: the Cisco 300 Series.



Cisco 300 Series Switches

The Cisco 300 Series, part of the Cisco Small Business line of network solutions, is a portfolio of affordable managed switches that provides a reliable foundation for your business network. These switches deliver the features you need to improve the availability of your critical business applications, protect your sensitive information, and optimize your network bandwidth to deliver information and applications more effectively. Easy to set up and use, the Cisco 300 Series provides the ideal combination of affordability and capabilities for small businesses, and helps you create a more efficient, better-connected workforce.

The Cisco 300 Series is broad portfolio of fixed-configuration managed Ethernet switches. Models are available with 8 to 48 ports of Fast Ethernet and 10 to 52 ports of Gigabit Ethernet connectivity, providing optimal flexibility to create exactly the right network foundation for your business. However, unlike other small business switching solutions that provide managed network capabilities only in the costliest models, all Cisco 300 Series Switches support the advanced security management capabilities and network features you need to support business-class data, voice, security, and wireless technologies. At the same time, these switches are simple to deploy and configure, allowing you to take advantage of the managed network services your business needs.

Business Applications

Whether you need a basic high-performance network to connect employee computers or a solution to deliver data, voice, and video services, the Cisco 300 Series offers a solution to meet your needs. Possible deployment scenarios include:

- **Secure desktop connectivity:** Cisco 300 Series Switches can simply and securely connect employees working in small offices with each other and with all of the servers, printers, and other devices they use. High performance and reliable connectivity helps speed file transfers and data processing, improves network uptime, and keeps your employees connected and productive.
- **Secure wireless connectivity:** Cisco 300 Series Switches allow employees to work productively from conference rooms and common areas, collaborate in any office, and access business applications from wherever they are. Gigabit Ethernet connectivity helps ensure that your employees have the bandwidth and performance they need to make the most of mobile productivity. And with embedded security, your employees can work with confidence, knowing that only authorized users can access applications and network devices.
- **Unified communications:** As a managed network solution, the Cisco 300 Series provides the performance and advanced traffic-handling intelligence you need to deliver all communications and data over a single network. Cisco offers a complete portfolio of IP telephony and other unified communications products designed for small businesses. Cisco 300 Series Switches have been rigorously tested to help ensure easy integration and full compatibility with these and other products, providing a complete small business solution.
- **Highly secure guest connectivity.** Cisco 300 Series Switches let you extend highly secure network connectivity to guests in a variety of settings, such as a hotel, an office waiting room, or any other area open to nonemployee users. Using powerful but easy-to-configure security and traffic segmentation capabilities, you can isolate your vital business traffic from guest services and keep guests' network sessions private from each other.

Features and Benefits

Cisco 300 Series Switches provide security, performance, traffic management, and other capabilities – optimized and customized, and at the right price for small businesses. The Cisco 300 Series provides:

- **High performance and reliability:** Cisco 300 Series Switches have been rigorously tested to deliver the high availability and performance you expect from a Cisco switch. The solutions speed up file transfer times and improve slow, sluggish networks, while keeping your vital business applications available and preventing costly downtime. As a managed switching solution, the Cisco 300 Series also gives you the flexibility to manage and prioritize high-bandwidth traffic such as voice. That means you can empower your employees with state-of-the-art communication and productivity solutions, without draining the performance of your other business applications.
- **Fast, easy setup and configuration:** Cisco 300 Series Switches are designed to be easy to use and manage by small businesses and the partners who serve them. The included device manager software provides an intuitive, web-based interface to simplify setup, security, and quality of service (QoS) traffic prioritization, allowing even users without IT expertise to configure the switch in minutes. Cisco also provides a utility that works through a simple toolbar on the user's web browser to discover Cisco devices in the network and display basic information, such as serial numbers and IP addresses, to aid in the configuration and deployment of Cisco Small Business products. For more information, and to download the utility, please visit www.cisco.com/go/sb_toolbar. These switches use Cisco Discovery Protocol to automatically detect all the devices connected to your network, and then automatically configure themselves for the appropriate connectivity and security. For more advanced capabilities and hands-on control, simple-to-use graphical tools such as Cisco Smartports provide preset options for configuring each port on a switch, based on Cisco best practices and pretested configurations. Although the Cisco 300 Series is designed to be deployed without

using a command-line interface (CLI), Cisco Textview will be available for those who prefer to use text-based configuration.* Together, these features reduce the time your staff must devote to network deployment, management, and troubleshooting.

*Cisco Discovery Protocol, Smartports, and Textview will be available in the next firmware release.

- **Strong security:** The Cisco 300 Series Switches provide a high level of security and give you fine-grained control to safeguard your network from unauthorized users. Advanced security features include:
 - Embedded security to protect management data traveling to and from the switch and encrypt network communications
 - Extensive access control lists (ACLs) to restrict sensitive portions of the network from unauthorized users and guard against network attacks
 - Guest virtual LANs (VLANs) to let you provide Internet connectivity to nonemployee users while isolating critical business services from guest traffic
 - Support for advanced network security applications such as IEEE 802.1X port security to tightly limit access to specific segments of your network
- **Power over Ethernet:** Cisco 300 Series Switches are available with up to 48 PoE ports of Fast Ethernet or 28 PoE ports of Gigabit Ethernet connectivity. This capability simplifies advanced technology deployments such as IP telephony, wireless, and IP surveillance by allowing you to connect and power network endpoints over a single Ethernet cable. With no need to install separate power supplies for IP phones or wireless access points, you can take advantage of advanced communications technologies more quickly, and at a lower cost.
- **IP telephony support:** Cisco 300 Series Switches include embedded QoS intelligence to prioritize delay-sensitive services such as voice and video, simplify unified communications deployments, and help ensure consistent network performance for all services. For example, automated voice VLAN capabilities let you plug any IP phone (including third-party phones) into your IP telephony network and receive an immediate dial tone. The switch automatically configures the device with the right VLAN and QoS parameters to prioritize voice traffic.
- **Advanced network management capabilities:** As managed switches, the Cisco 300 Series lets you use a variety of advanced features to control traffic over your network. Features include:
 - *Static routing/Layer 3 switching between VLANs:* This capability allows you to segment your network into separate workgroups and communicate across VLANs without degrading application performance. As a result, you can manage internal routing with your switches and dedicate your router to external traffic and security, helping your network run more efficiently.
 - *IPv6 support:* As the IP network addressing scheme evolves to accommodate more devices, you can make sure that your network is ready. The Cisco 300 Series provides native support for IPv6, the newest version of the Internet Protocol, as well as the previous IPv4 standard. As a result, you will be able to move up to the next generation of networking applications and operating systems without an extensive equipment upgrade.
 - *Dual image support:* With the ability to maintain dual images of your switches, you can perform software upgrades without having to take the network offline and without worrying about an outage during an upgrade.
 - *Remote management:* Using Simple Network Management Protocol (SNMP), you can set up and manage all switches and other Cisco devices in your network remotely, instead of having to directly connect to them.
- **Optimal energy efficiency:** Cisco 300 Series Switches are designed with a variety of power-saving features across all models, providing the industry's broadest portfolio of "green" switches. These switches optimize

power use to protect the environment and reduce energy costs, without compromising performance. Power-saving features include:

- The latest application-specific integrated circuits (ASICs), using low-power 65-nanometer technology (these chipsets allow for lower power consumption and thinner, more efficient designs)
 - Automatic power shutoff on PoE ports when a link is down
 - Embedded intelligence to adjust signal strength based on cable length
 - Fanless design in most models, which reduces power consumption, increases reliability, and provides quieter operation
- **Expansion ports:** The Cisco 300 Series provides more ports per Gigabit Ethernet switch than traditional switch models, giving you more flexibility to connect and empower your business. Gigabit Ethernet models feature 28- and 52-port switches, versus traditional devices that offer 20 or 44 ports with four shared ports giving you more value. The Cisco 300 Series also offers mini gigabit interface converter (mini-GBIC) expansion slots that give you the option to add fiber-optic or Gigabit Ethernet uplink connectivity to the switch. With the ability to increase the connectivity range of the switches, you have more flexibility to design your network around your unique business environment, and to easily connect switches on different floors or across the business.
 - **Multiple languages:** The Cisco 300 Series is available in seven languages: English, French, German, Italian, Spanish, Japanese, and simplified Chinese. All product user interfaces and documentation are translated, giving you the ability to select your preferred language.
 - **Peace of mind and investment protection:** Cisco 300 Series Switches offer the reliable performance, investment protection, and peace of mind you expect from a Cisco switch. When you invest in the Cisco 300 Series, you gain the benefit of:
 - Cisco limited lifetime warranty with next business day advance replacement (where available)
 - Cisco Small Business Investment Protection program, which lets you upgrade your Cisco 300 Series to another Cisco Small Business or Cisco Catalyst[®] switch in the future and receive credit for the value of the switch (available only in the United States and Canada)
 - Rigorous testing to help ensure easy integration and compatibility with other Cisco networking and communications products, including the complete Cisco Small Business portfolio
 - **Service and Support:** Cisco 300 Series Switches are backed by the Cisco Small Business Support Service, which provides affordable peace-of-mind coverage. This subscription-based service helps you protect your investment and derive maximum value from Cisco Small Business products. Delivered by Cisco and backed by your trusted partner, this comprehensive service includes software updates, access to the Cisco Small Business Support Center, and extends technical service to three years.

Cisco Small Business products are supported by professionals in Cisco Small Business Support Center locations worldwide who are specifically trained to understand your needs. The Cisco Small Business Support Community, an online forum, enables you to collaborate with your peers and reach Cisco technical experts for support information.
 - **Cisco Limited Lifetime Hardware Warranty:** Cisco 300 Series Switches offer a limited lifetime hardware warranty with next business day advance replacement (where available, otherwise same day ship) and a limited lifetime warranty for fans and power supplies. In addition, Cisco offers software application updates for bug fixes for the warranty term, and telephone technical support at no charge for the first 12 months following the date of purchase. To download software updates, go to: www.cisco.com/cisco/web/download/index.html.

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

Product Specifications

Table 1 gives the product specifications for the Cisco 300 Series Switches.

Table 1. Product Specifications

| Feature | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Performance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Switching capacity and forwarding rate | <table border="1"> <thead> <tr> <th>Model Name</th> <th>Part Number</th> <th>Capacity in Millions of Packets per Second (mpps) (64-byte packets)</th> <th>Switching Capacity in Gigabits per Second (Gbps)</th> </tr> </thead> <tbody> <tr> <td>SF300-08</td> <td>SRW208-K9</td> <td>1.19</td> <td>1.6</td> </tr> <tr> <td>SF302-08</td> <td>SRW208G-K9</td> <td>4.17</td> <td>5.6</td> </tr> <tr> <td>SF302-08P</td> <td>SRW208P-K9</td> <td>4.17</td> <td>5.6</td> </tr> <tr> <td>SF302-08MP</td> <td>SRW208MP-K9</td> <td>4.17</td> <td>5.6</td> </tr> <tr> <td>SF300-24</td> <td>SRW224G4-K9</td> <td>9.52</td> <td>12.8</td> </tr> <tr> <td>SF300-24P</td> <td>SRW224G4P-K9</td> <td>9.52</td> <td>12.8</td> </tr> <tr> <td>SF300-48</td> <td>SRW248G4-K9</td> <td>13.10</td> <td>17.6</td> </tr> <tr> <td>SF300-48P</td> <td>SRW248G4P-K9</td> <td>13.10</td> <td>17.6</td> </tr> <tr> <td>SG300-10</td> <td>SRW2008-K9</td> <td>14.88</td> <td>20.0</td> </tr> <tr> <td>SG300-10P</td> <td>SRW2008P-K9</td> <td>14.88</td> <td>20.0</td> </tr> <tr> <td>SG300-10MP</td> <td>SRW2008MP-K9</td> <td>14.88</td> <td>20.0</td> </tr> <tr> <td>SG300-20</td> <td>SRW2016-K9</td> <td>29.76</td> <td>40.0</td> </tr> <tr> <td>SG300-28</td> <td>SRW2024-K9</td> <td>41.67</td> <td>56.0</td> </tr> <tr> <td>SG300-28P</td> <td>SRW2024P-K9</td> <td>41.67</td> <td>56.0</td> </tr> <tr> <td>SG300-52</td> <td>SRW2048-K9</td> <td>77.38</td> <td>104.0</td> </tr> </tbody> </table> | Model Name | Part Number | Capacity in Millions of Packets per Second (mpps) (64-byte packets) | Switching Capacity in Gigabits per Second (Gbps) | SF300-08 | SRW208-K9 | 1.19 | 1.6 | SF302-08 | SRW208G-K9 | 4.17 | 5.6 | SF302-08P | SRW208P-K9 | 4.17 | 5.6 | SF302-08MP | SRW208MP-K9 | 4.17 | 5.6 | SF300-24 | SRW224G4-K9 | 9.52 | 12.8 | SF300-24P | SRW224G4P-K9 | 9.52 | 12.8 | SF300-48 | SRW248G4-K9 | 13.10 | 17.6 | SF300-48P | SRW248G4P-K9 | 13.10 | 17.6 | SG300-10 | SRW2008-K9 | 14.88 | 20.0 | SG300-10P | SRW2008P-K9 | 14.88 | 20.0 | SG300-10MP | SRW2008MP-K9 | 14.88 | 20.0 | SG300-20 | SRW2016-K9 | 29.76 | 40.0 | SG300-28 | SRW2024-K9 | 41.67 | 56.0 | SG300-28P | SRW2024P-K9 | 41.67 | 56.0 | SG300-52 | SRW2048-K9 | 77.38 | 104.0 |
| | Model Name | Part Number | Capacity in Millions of Packets per Second (mpps) (64-byte packets) | Switching Capacity in Gigabits per Second (Gbps) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SF300-08 | SRW208-K9 | 1.19 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SF302-08 | SRW208G-K9 | 4.17 | 5.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SF302-08P | SRW208P-K9 | 4.17 | 5.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SF302-08MP | SRW208MP-K9 | 4.17 | 5.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SF300-24 | SRW224G4-K9 | 9.52 | 12.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SF300-24P | SRW224G4P-K9 | 9.52 | 12.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SF300-48 | SRW248G4-K9 | 13.10 | 17.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SF300-48P | SRW248G4P-K9 | 13.10 | 17.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SG300-10 | SRW2008-K9 | 14.88 | 20.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SG300-10P | SRW2008P-K9 | 14.88 | 20.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SG300-10MP | SRW2008MP-K9 | 14.88 | 20.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SG300-20 | SRW2016-K9 | 29.76 | 40.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SG300-28 | SRW2024-K9 | 41.67 | 56.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SG300-28P | SRW2024P-K9 | 41.67 | 56.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SG300-52 | SRW2048-K9 | 77.38 | 104.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Layer 2 Switching | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spanning Tree Protocol (STP) | Standard 802.1d Spanning Tree support Fast convergence using 802.1w (Rapid Spanning Tree [RSTP]), enabled by default Multiple Spanning Tree instances using 802.1s (MSTP) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port grouping | Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) <ul style="list-style-type: none"> Up to 8 groups Up to 8 ports per group with 16 candidate ports for each (dynamic) 802.3ad link aggregation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VLAN | Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs) Port-based and 802.1Q tag-based VLANs MAC-based VLAN Management VLAN Private VLAN Edge (PVE), also known as protected ports, with multiple uplinks Guest VLAN Unauthenticated VLAN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Voice VLAN | Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Generic VLAN Registration Protocol (GVRP)/Generic Attribute Registration Protocol (GARP) | Protocols for automatically propagating and configuring VLANs in a bridged domain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dynamic Host Configuration Protocol (DHCP) Relay at Layer 2 | Relay of DHCP traffic to DHCP server in different VLAN. Works with DHCP Option 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Internet Group Management Protocol (IGMP) versions 1, 2, and 3 snooping | IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 256 multicast groups (source-specific multicasting is also supported) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IGMP Querier | IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Head-of-line (HOL) blocking | HOL blocking prevention | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Feature | Description |
|---|---|
| Layer 3 | |
| IPv4 routing | Wirespeed routing of IPv4 packets Up to 32 static routes and up to 32 IP interfaces |
| Classless Inter-Domain Routing (CIDR) | Support for CIDR |
| DHCP relay at Layer 3 | Relay of DHCP traffic across IP domains |
| User Datagram Protocol (UDP) relay | Relay of broadcast information across Layer 3 domains for application discovery or relaying of BootP/DHCP packets |
| Security | |
| Secure Shell (SSH) Protocol | SSH secures Telnet traffic to and from the switch; SSH v1 and v2 are supported |
| Secure Sockets Layer (SSL) | SSL support: Encrypts all HTTPS traffic, allowing highly secure access to the browser-based management GUI in the switch |
| IEEE 802.1X (Authenticator role) | 802.1X: RADIUS authentication and accounting, MD5 hash; guest VLAN; unauthenticated VLAN, single/multiple host mode and single/multiple sessions Supports time-based 802.1X Dynamic VLAN assignment |
| Layer 3 isolation* | Allow/disallow routing between IP subnets or directly connected IP networks |
| Layer 2 isolation Private VLAN Edge (PVE) with community VLAN | PVE (also known as protected ports) provides Layer 2 isolation between devices in the same VLAN, supports multiple uplinks |
| Port security | Locks MAC addresses to ports, and limits the number of learned MAC addresses |
| RADIUS/TACACS+ | Supports RADIUS and TACACS authentication. Switch functions as a client |
| Storm control | Broadcast, multicast, and unknown unicast |
| DoS prevention | DoS attack prevention |
| Congestion avoidance | A TCP congestion avoidance algorithm is required to minimize and prevent global TCP loss synchronization. |
| ACLs | Support for up to 512 rules Drop or rate limit based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP)/IP precedence, TCP/UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag |
| Quality of Service | |
| Priority levels | 4 hardware queues |
| Scheduling | Strict priority and weighted round-robin (WRR) Queue assignment based on DSCP and class of service (802.1p/CoS) |
| Class of service | Port based; 802.1p VLAN priority based; IPv4/v6 IP precedence/type of service (ToS)/DSCP based; Differentiated Services (DiffServ); classification and re-marking ACLs, trusted QoS |
| Rate limiting | Ingress policer; egress shaping and rate control; per VLAN, per port, and flow based |
| Standards | |
| Standards | IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3ad LACP, IEEE 802.3z Gigabit Ethernet, IEEE 802.3x Flow Control, IEEE 802.1D (STP, GARP, and GVRP), IEEE 802.1Q/p VLAN, IEEE 802.1w RSTP, IEEE 802.1s Multiple STP, IEEE 802.1X Port Access Authentication, IEEE 802.3af, IEEE 802.3at, RFC 768, RFC 783, RFC 791, RFC 792, RFC 793, RFC 813, RFC 879, RFC 896, RFC 826, RFC 854, RFC 855, RFC 856, RFC 858, RFC 894, RFC 919, RFC 922, RFC 920, RFC 950, RFC 951, RFC 1042, RFC 1071, RFC 1123, RFC 1141, RFC 1155, RFC 1157, RFC 1350, RFC 1533, RFC 1541, RFC 1542, RFC 1624, RFC 1700, RFC 1867, RFC 2030, RFC 2616, RFC 2131, RFC 2132, RFC 3164, RFC 3411, RFC 3412, RFC 3413, RFC 3414, RFC 3415, RFC 2576, RFC 4330, RFC 1213, RFC 1215, RFC 1286, RFC 1442, RFC 1451, RFC 1493, RFC 1573, RFC 1643, RFC 1757, RFC 1907, RFC 2011, RFC 2012, RFC 2013, RFC 2233, RFC 2618, RFC 2665, RFC 2666, RFC 2674, RFC 2737, RFC 2819, RFC 2863, RFC 1157, RFC 1493, RFC 1215, RFC 3416 |

| Feature | Description |
|---|---|
| IPv6 | |
| IPv6 | IPv6 host mode IPv6 over Ethernet Dual IPv6/IPv4 stack IPv6 neighbor and router discovery (ND) IPv6 stateless address auto-configuration Path maximum transmission unit (MTU) discovery Duplicate address detection (DAD) ICMP version 6 IPv6 over IPv4 network with Intra-Site Automatic Tunnel Addressing Protocol (ISATAP) support |
| IPv6 QoS | Prioritize IPv6 packets in hardware |
| IPv6 ACL | Drop or rate limit IPv6 packets in hardware |
| Multicast Listener Discovery (MLD) snooping | Deliver IPv6 multicast packets only to the required receivers |
| IPv6 applications | Web/SSL, Telnet server/SSH, ping, traceroute, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, syslog, DNS client, protocol-based VLANs |
| IPv6 RFCs supported | RFC 2463 – ICMP version 6 RFC 3513 – IPv6 address architecture RFC 4291 – IPv6 addressing architecture RFC 2460 – IPv6 specification RFC 2461 – Neighbor discovery for IPv6 RFC 2462 – IPv6 stateless address auto-configuration RFC 1981 – Path MTU discovery RFC 4007 – IPv6 scoped address architecture RFC 3484 – Default address selection mechanism RFC 4214 – ISATAP tunneling RFC 4293 – MIB IPv6: Textual conventions and general group RFC 3595 – Textual conventions for IPv6 flow label |
| Management | |
| Web user interface | Built-in switch configuration utility for easy browser-based device configuration (HTTP/HTTPS). Supports configuration, system dashboard, system maintenance, and monitoring |
| SNMP | SNMP versions 1, 2c, and 3 with support for traps, and SNMP version 3 user-based security model (USM) |
| SNMP MIBs | banner.mib, CISCOSB-3sw2swtables-mib.mib, CISCOSB-brgmacswitch-mib.mib, CISCOSB-bridgemibobjects-mib.mib, CISCOSB-cdb-mib.mib, CISCOSB-cli-mib.mib, CISCOSB-deviceparams-mib.mib, CISCOSB-dhcpcl-mib.mib, CISCOSB-dot1x-mib.mib, CISCOSB-endofmib-mib.mib, CISCOSB-gvrp-mib.mib, CISCOSB-jumboframes-mib.mib, CISCOSB-mib.mib, CISCOSB-mri-mib.mib, CISCOSB-multisessionterminal-mib.mib, CISCOSB-smon-mib.mib, CISCOSB-socket-mib.mib, CISCOSB-stormctrl-mib.mib, CISCOSB-telnet-mib.mib, CISCOSB-traceroute-mib.mib, CISCOSB-traps-mib.mib, CISCOSB-trunk-mib.mib, CISCOSBaaa.mib, CISCOSBapplication.mib, CISCOSBbonjour.mib, CISCOSBbrgmcast.mib, CISCOSBbridgesecurity.mib, CISCOSBcopy.mib, CISCOSBCpuCounters.mib, CISCOSBCustom1BonjourService.mib, CISCOSBdhcp.mib, CISCOSBdlf.mib, CISCOSBdnscl.mib, CISCOSBembweb.mib, CISCOSBfft.mib, CISCOSBfile.mib, CISCOSBgreeneth.mib, CISCOSBinterfaces.mib, CISCOSBinterfaces_recovery.mib, CISCOSBip.mib, CISCOSBiprouter.mib, CISCOSBip6.mib, CISCOSBlbd.mib, CISCOSBlcli.mib, CISCOSBlldp.mib, CISCOSBlcalization.mib, CISCOSBmcmngr.mib, CISCOSBmng.mib, CISCOSBphy.mib, CISCOSBphysdescription.mib, CISCOSBPoe.mib, CISCOSBprotectedport.mib, CISCOSBrmon.mib, CISCOSBrs232.mib, CISCOSBSecuritySuite.mib, CISCOSBsnmp.mib, CISCOSBsntp.mib, CISCOSBspecialbpdu.mib, CISCOSBssh.mib, CISCOSBssl.mib, CISCOSBstack.mib, CISCOSBsyslog.mib, CISCOSBTcpSession.mib, CISCOSBtuning.mib, CISCOSBtunnel.mib, CISCOSBudp.mib, CISCOSBvlan.mib, CISCOSBwrandomtadrop.mib, CISCOSB_sensor.mib, diffserv-dscp-tc-rfc3289.mib, diffserv.mib, draft-ietf-bridge-8021x.mib, draft-ietf-bridge-rstp-mib-04.mib, draft-ietf-entmib-sensor-mib.mib, draft-ietf-hubmib-etherif-mib-v3-00.mib, draft-ietf-syslog-device-mib.mib, env_mib.mib, ianaaddrfamnumbers.mib, ianaifity.mib, ianaprot.mib, inet-address-mib.mib, ip-forward-mib.mib, ip-mib.mib, lldp.mib, lldpextdot1.mib, lldpextdot3.mib, lldpextmed.mib, macbaseprio.mib, mib.txt, mnginf.mib, nikola_vendor.mib, p-bridge-mib.mib, policy.mib, p-bridge-mib.mib, q-bridge-mib.mib, qosclimib.mib, rfc1213.mib, rfc1389.mib, rfc1493.mib, rfc1611.mib, rfc1612.mib, rfc1757.mib, rfc1850.mib, rfc1907.mib, rfc2011.mib, rfc2012.mib, rfc2013.mib, rfc2233.mib, rfc2571.mib, rfc2572.mib, rfc2573.mib, rfc2574.mib, rfc2575.mib, rfc2576.mib, rfc2613.mib, rfc2665.mib, rfc2668.mib, rfc2674.mib, rfc2737.mib, rfc2925.mib, rfc3621.mib, rfc4668.mib, rfc4670.mib, rmon2.mib, smartPorts.mib, SNMPv2-CONF.mib, SNMPv2-SMI.mib, tbi.mib, trunk.mib, tunnel.mib, udp-mib.mib |
| Remote Monitoring (RMON) | Embedded RMON software agent supports 4 RMON groups (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis |
| IPv4 and IPv6 dual stack | Coexistence of both protocol stacks to ease migration |

| Feature | Description | | | |
|--|--|------------|------------------------|----------------------------------|
| Firmware upgrade | <ul style="list-style-type: none"> Web browser upgrade (HTTP/HTTPS) and TFTP Upgrade can be initiated through console port as well Dual images for resilient firmware upgrades | | | |
| Port mirroring | Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to 8 source ports can be mirrored to one destination port. A single session is supported. | | | |
| VLAN mirroring | Traffic from a VLAN can be mirrored to a port for analysis with a network analyzer or RMON probe. Up to 8 source VLANs can be mirrored to one destination port. A single session is supported. | | | |
| DHCP (Options 66, 67, 82, 129, and 150) | DHCP Options facilitate tighter control from a central point (DHCP server) to obtain IP address, auto-configuration (with configuration file download), and DHCP relay, | | | |
| Text-editable config files | Config files can be edited with a text editor and downloaded to another switch, facilitating easier mass deployment | | | |
| Smartports* | Simplified configuration of QoS and security capabilities | | | |
| Secure copy* | Securely transfer files to and from the switch | | | |
| Textview CLI* | Scriptable command-line interface | | | |
| Cloud services* | Support for Small Business Toolbar application | | | |
| Localization | Localization of GUI and documentation into multiple languages | | | |
| Other management | Traceroute; single IP management; HTTP/HTTPS; SSH; RADIUS; port mirroring; TFTP upgrade; DHCP client; BOOTP; SNTP; Xmodem upgrade; cable diagnostics; ping; syslog; Telnet client (SSH secure support) | | | |
| Power Efficiency | | | | |
| Energy Detect | Automatically turns off power off on Gigabit Ethernet RJ-45 port when detecting link down Active mode is resumed without loss of any packets when the switch detects the link up | | | |
| Cable length detection | Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter than 10m. | | | |
| General | | | | |
| Jumbo frames | Frame sizes up to 10 KB supported on 10/100 and Gigabit interfaces | | | |
| MAC table | Up to 8000 MAC addresses | | | |
| Discovery | | | | |
| Bonjour | The switch advertises itself using the Bonjour protocol. | | | |
| Link Layer Discovery Protocol (LLDP) (802.1ab) with LLDP-MED extensions | LLDP allows the switch to advertise its identification, configuration, and capabilities to neighboring devices that store the data in a MIB. LLDP-MED is an enhancement to LLDP that adds the extensions needed for IP phones. | | | |
| Cisco Discovery Protocol* | The switch advertises itself using the Cisco Discovery Protocol. | | | |
| Power over Ethernet (PoE) | | | | |
| IEEE 802.3af PoE delivered over any of the RJ-45 ports within the listed power budgets | Maximum power of 15.4W to any 10/100 or Gigabit Ethernet base port. The total power available for PoE per switch is as follows: | | | |
| | PID | Model Name | Power Dedicated to PoE | Number of Ports That Support PoE |
| | SRW208P-K9 | SF302-08P | 62W | 8 |
| | SRW208MP-K9 | SF302-08MP | 124W | 8 |
| | SRW224G4P-K9 | SF300-24P | 180W | 24 |
| | SRW248G4P-K9 | SF300-48P | 375W | 48 |
| | SRW2008P-K9 | SG300-10P | 62W | 8 |
| | SRW2008MP-K9 | SG300-10MP | 124W | 8 |
| | SRW2024P-K9 | SG300-28P | 180W | 24 |

| Feature | Description | | | | |
|-------------------|--------------|------------|------------------------------|-------------------------------|---------------------------|
| Power consumption | Part Number | Model Name | Power Savings Mode | Power Consumption: Worst Case | Heat Dissipation (BTU/hr) |
| | SRW208-K9 | SF300-08 | Energy Detect | 110V=6.5W 220V=6.8W | 23.2 |
| | SRW208G-K9 | SF302-08 | Energy Detect | 110V=8.8W 220V=9.2W | 31.4 |
| | SRW208P-K9 | SF302-08P | Energy Detect | 110V=75.3W 220V=75.7W | 258.3 |
| | SRW208MP-K9 | SF302-08MP | Energy Detect | 110V=136.4W 220V=137.1W | 467.8 |
| | SRW224G4-K9 | SF300-24 | Energy Detect | 110V=16.3W 220V=16.9W | 57.7 |
| | SRW224G4P-K9 | SF300-24P | Energy Detect | 110V=219.9W 220V=213.8W | 750.3 |
| | SRW248G4-K9 | SF300-48 | Energy Detect | 110V=28.8W 220V=29.2W | 99.6 |
| | SRW248G4P-K9 | SF300-48P | Energy Detect | 110V=473.5W 220V=456.8W | 1615.6 |
| | SRW2008-K9 | SG300-10 | Energy Detect Short Reach | 110V=12.2W 220V=12.4W | 42.3 |
| | SRW2008P-K9 | SG300-10P | Energy Detect Short Reach | 110V=82.2W 220V=82.5W | 281.5 |
| | SRW2008MP-K9 | SG300-10MP | Energy Detect Short Reach | 110V=152.1W 220V=152.6W | 520.7 |
| | SRW2016-K9 | SG300-20 | Energy Detect Short Reach | 110V=22.6W 220V=23.3W | 79.5 |
| | SRW2024-K9 | SG300-28 | Energy Detect Short Reach | 110V = 30.1W 220V = 30.3W | 103.4 |
| | SRW2024P-K9 | SG300-28P | Energy Detect Short Reach | 110V=235.1W 220V=229.1W | 802.2 |
| | SRW2048-K9 | SG300-52 | Energy Detect Short Reach | 110V=64.1W 220V=63.7W | 218.7 |

| Feature | Description | | | | |
|---------------|--|--------------------------------------|---------------------------------------|--|----------------------------------|
| Ports | Part Number | Model Name | Total System Ports | RJ-45 Ports | Combo Ports (RJ-45 + SFP) |
| | SRW2016-K9 | SG300-20 | 20 Gigabit Ethernet | 18 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW2024-K9 | SG300-28 | 28 Gigabit Ethernet | 26 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW2024P-K9 | SG300-28P | 28 Gigabit Ethernet | 26 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW2048-K9 | SG300-52 | 52 Gigabit Ethernet | 50 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW224G4-K9 | SF300-24 | 24 Fast Ethernet + 4 Gigabit Ethernet | 24 Fast Ethernet 2 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW224G4P-K9 | SF300-24P | 24 Fast Ethernet + 4 Gigabit Ethernet | 24 Fast Ethernet 2 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW248G4-K9 | SF300-48 | 48 Fast Ethernet + 4 Gigabit Ethernet | 48 Fast Ethernet 2 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW248G4P-K9 | SF300-48P | 48 Fast Ethernet + 4 Gigabit Ethernet | 48 Fast Ethernet 2 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW2008-K9 | SG300-10 | 10 Gigabit Ethernet | 8 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW2008P-K9 | SG300-10P | 10 Gigabit Ethernet | 8 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW2008MP-K9 | SG300-10MP | 10 Gigabit Ethernet | 8 Gigabit Ethernet | 2 Gigabit Ethernet combo |
| | SRW208-K9 | SF300-08 | 8 Fast Ethernet | 8 Fast Ethernet | N/A |
| | SRW208G-K9 | SF302-08 | 8 Fast Ethernet + 2 Gigabit Ethernet | 8 Fast Ethernet | 2 Gigabit Ethernet combo |
| | SRW208P-K9 | SF302-08P | 8 Fast Ethernet + 2 Gigabit Ethernet | 8 Fast Ethernet | 2 Gigabit Ethernet combo |
| SRW208MP-K9 | SF302-08MP | 8 Fast Ethernet + 2 Gigabit Ethernet | 8 Fast Ethernet | 2 Gigabit Ethernet combo | |
| Buttons | Reset button | | | | |
| Cabling type | Unshielded twisted pair (UTP) Category 5 or better for 10BASE-T/100BASE-TX; UTP Category 5 Ethernet or better for 1000BASE-T | | | | |
| LEDs | System, Link/Act, PoE, Speed | | | | |
| Flash | 16 MB | | | | |
| CPU memory | 128 MB | | | | |
| Packet buffer | All numbers are aggregate across all ports as the buffers are dynamically shared: | | | | |
| | Part Number | Model Name | Packet Buffer | | |
| | SRW2016-K9 | SG300-20 | 4 Mb | | |
| | SRW2008-K9 | SG300-10 | 4 Mb | | |
| | SRW2008P-K9 | SG300-10P | 4 Mb | | |
| | SRW2008MP-K9 | SG300-10MP | 4 Mb | | |
| | SRW208-K9 | SF300-08 | 4 Mb | | |
| | SRW208G-K9 | SF302-08 | 4 Mb | | |
| | SRW208P-K9 | SF302-08P | 4 Mb | | |
| | SRW208MP-K9 | SF302-08MP | 4 Mb | | |
| | SRW2024-K9 | SG300-28 | 4 Mb | | |
| | SRW2024P-K9 | SG300-28P | 4 Mb | | |
| | SRW2048-K9 | SG300-52 | 8 Mb*2 | | |
| | SRW224G4-K9 | SF300-24 | 4 Mb | | |
| | SRW224G4P-K9 | SF300-24P | 4 Mb | | |
| | SRW248G4-K9 | SF300-48 | 8 Mb*2 | | |
| | SRW248G4P-K9 | SF300-48P | 8 Mb*2 | | |

| Feature | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|-------------------|-----------|------------------|------------------|--------|-----------------|----------|------|--------|-------------------|----------|-------|--------|-------------------|----------|-------|--------|-------------------|-----------|-------|--------|-----------------|-----------|-------|--------|-------------------|-----------|-------|--------|-------------------|-----------|-------|
| Supported SFP modules | <table border="1"> <thead> <tr> <th>SKU</th> <th>Media</th> <th>Speed</th> <th>Typical Distance</th> </tr> </thead> <tbody> <tr> <td>MFEFX1</td> <td>Multimode fiber</td> <td>100 Mbps</td> <td>2 km</td> </tr> <tr> <td>MFELX1</td> <td>Single-mode fiber</td> <td>100 Mbps</td> <td>10 km</td> </tr> <tr> <td>MFEBX1</td> <td>Single-mode fiber</td> <td>100 Mbps</td> <td>20 km</td> </tr> <tr> <td>MGBBX1</td> <td>Single-mode fiber</td> <td>1000 Mbps</td> <td>40 km</td> </tr> <tr> <td>MGBSX1</td> <td>Multimode fiber</td> <td>1000 Mbps</td> <td>300 m</td> </tr> <tr> <td>MGBLH1</td> <td>Single-mode fiber</td> <td>1000 Mbps</td> <td>40 km</td> </tr> <tr> <td>MGBLX1</td> <td>Single-mode fiber</td> <td>1000 Mbps</td> <td>10 km</td> </tr> </tbody> </table> | SKU | Media | Speed | Typical Distance | MFEFX1 | Multimode fiber | 100 Mbps | 2 km | MFELX1 | Single-mode fiber | 100 Mbps | 10 km | MFEBX1 | Single-mode fiber | 100 Mbps | 20 km | MGBBX1 | Single-mode fiber | 1000 Mbps | 40 km | MGBSX1 | Multimode fiber | 1000 Mbps | 300 m | MGBLH1 | Single-mode fiber | 1000 Mbps | 40 km | MGBLX1 | Single-mode fiber | 1000 Mbps | 10 km |
| | SKU | Media | Speed | Typical Distance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MFEFX1 | Multimode fiber | 100 Mbps | 2 km | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MFELX1 | Single-mode fiber | 100 Mbps | 10 km | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MFEBX1 | Single-mode fiber | 100 Mbps | 20 km | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MGBBX1 | Single-mode fiber | 1000 Mbps | 40 km | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MGBSX1 | Multimode fiber | 1000 Mbps | 300 m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MGBLH1 | Single-mode fiber | 1000 Mbps | 40 km | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MGBLX1 | Single-mode fiber | 1000 Mbps | 10 km | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Environmental | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | SF300-08, SF302-08, SF302-08P, SF302-08MP, SG300-10, SG300-10P, SG300-10MP 11 x 1.45 x 6.7 in. (279.4 x 44.45 x 170 mm) SG300-20 17.3 x 1.45 x 7.97 in. (440 x 44.45 x 202.5 mm) SF300-24, SF300-24P, SF300-48, SG300-28, SG300-28P, SG300-52 17.3 x 1.45 x 10.1 in. (440 x 44.45 x 257 mm) SF300-48 17.3 x 1.45 x 13.78 in. (440 x 44.45 x 350 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit weight | SF300-08: 2.56 lb (1.16 kg) SF302-08: 2.6 lb (1.18 kg) SF302-08P: 2.67 lb (1.21 kg) SF302-08MP: 2.67 lb (1.21 kg) SG300-10: 2.56 lb (1.16 kg) SG300-10P: 2.73 lb (1.24 kg) SG300-10MP: 2.73 lb (1.24 kg) SG300-20: 4.78 lb (2.17 kg) SF300-24: 6.81 lb (3.09 kg) SF300-24P: 8.22 lb (3.73 kg) SF300-48: 7.47 lb (3.39 kg) SF300-48P: 12.94 lb (5.87 kg) SG300-24: 7.23 lb (3.28 kg) SG300-24P: 9.06 lb (4.11 kg) SG300-52 : 8.62 lb (3.91 kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power | 100–240V 47–63 Hz, internal, universal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Certification | UL (UL 60950), CSA (CSA 22.2), CE mark, FCC Part 15 (CFR 47) Class A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating temperature | 32° to 104°F (0° to 40°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage temperature | –4° to 158°F (–20° to 70°C) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating humidity | 10% to 90%, relative, noncondensing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage humidity | 10% to 90%, relative, noncondensing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Feature | Description | | | | |
|-------------------------|---|----------------------------|--------------------------------|----------------|----------------|
| Acoustic Noise and MTBF | PID (Ordering P/N) | Model Name | FAN (Number) | Acoustic Noise | MTBF @40C (hr) |
| | SRW2016-K9 | SG300-20 | Fanless | N/A | 144,237 |
| | SRW2008-K9 | SG300-10 | Fanless | N/A | 74,294 |
| | SRW2008P-K9 | SG300-10P | Fanless | N/A | 67,009 |
| | SRW2008MP-K9 | SG300-10MP | Fanless | N/A | 67,008 |
| | SRW208-K9 | SF300-08 | Fanless | N/A | 71,006 |
| | SRW208G-K9 | SF302-08 | Fanless | N/A | 69,825 |
| | SRW208P-K9 | SF302-08P | Fanless | N/A | 65,527 |
| | SRW208MP-K9 | SF302-08MP | Fanless | N/A | 63,569 |
| | SRW2024-K9 | SG300-28 | Fanless | N/A | 179141.0 |
| | SRW2024P-K9 | SG300-28P | 2 pcs | 40.6 dB | 187334.9 |
| | SRW2048-K9 | SG300-52 | 2 pcs | 40.1dB | 206005.6 |
| | SRW224G4-K9 | SF300-24 | Fanless | N/A | 282775.3 |
| | SRW224G4P-K9 | SF300-24P | 2 pcs | 41.0 dB | 241995.9 |
| | SRW248G4-K9 | SF300-48 | Fanless | N/A | 199664.2 |
| SRW248G4P-K9 | SF300-48P | 3 pcs w/ Fan speed control | 43.1dB at 30C 54.3dB at 40C | 182540.0 | |
| Warranty | Limited lifetime with next business day advance replacement (where available) | | | | |

| Package Contents |
|---|
| <ul style="list-style-type: none"> • Cisco 300-series Ethernet Switch • Power Cord (Power Adapter for 8-port SKUs) • Mounting Hardware • Serial Cable • CD-ROM with user documentation (PDF) included • Quick Start Guide |
| Minimum Requirements |
| <ul style="list-style-type: none"> • Web browser: Mozilla Firefox version 2.5 or later; Microsoft Internet Explorer version 6 or later • Category 5 Ethernet network cable • TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in the network |

Ordering Information

Table 2 provides ordering information for the Cisco 300 Series Switches.

Table 2. Cisco 300 Series Switches Ordering Information

| Model Name | Order Product ID Number | Description |
|----------------------|-------------------------|---|
| Fast Ethernet | | |
| SF300-08 | SRW208-K9 | <ul style="list-style-type: none"> • 8 10/100 ports |
| SF302-08 | SRW208G-K9 | <ul style="list-style-type: none"> • 8 10/100 ports • 2 combo* mini-GBIC ports |
| SF302-08P | SRW208P-K9 | <ul style="list-style-type: none"> • 8/10/100 PoE ports • 2 combo mini-GBIC ports |
| SF302-08MP | SRW208MP-K9 | <ul style="list-style-type: none"> • 8 10/100 Maximum PoE ports • 2 combo mini-GBIC ports |
| SF300-24 | SRW224G4-K9 | <ul style="list-style-type: none"> • 24 10/100 ports • 2 10/100/1000 ports • 2 combo mini-GBIC ports |

| Model Name | Order Product ID Number | Description |
|-------------------------|-------------------------|---|
| SF300-24P | SRW224G4P-K9 | <ul style="list-style-type: none"> • 24 10/100 PoE ports • 2 10/100/1000 ports • 2 combo mini-GBIC ports |
| SF300-48 | SRW248G4-K9 | <ul style="list-style-type: none"> • 48 10/100 ports • 2 10/100/1000 ports • 2 combo mini-GBIC |
| SF300-48P | SRW248G4P-K9 | <ul style="list-style-type: none"> • 48 10/100 PoE ports • 2 10/100/1000 ports • 2 combo mini-GBIC ports |
| Gigabit Ethernet | | |
| SG300-10 | SRW2008-K9 | <ul style="list-style-type: none"> • 8 10/100/1000 ports • 2 combo mini-GBIC ports |
| SG300-10P | SRW2008P-K9 | <ul style="list-style-type: none"> • 8 10/100/1000 PoE ports • 2 Combo mini-GBIC ports |
| SG300-10MP | SRW2008MP-K9 | <ul style="list-style-type: none"> • 8 10/100/1000 Maximum PoE ports • 2 combo mini-GBIC ports |
| SG300-20 | SRW2016-K9 | <ul style="list-style-type: none"> • 18 10/100/1000 ports • 2 combo mini-GBIC ports |
| SG300-28 | SRW2024-K9 | <ul style="list-style-type: none"> • 26 10/100/1000 ports • 2 combo mini-GBIC ports |
| SG300-28P | SRW2024P-K9 | <ul style="list-style-type: none"> • 26 10/100/1000 PoE ports • 2 combo mini-GBIC ports |
| SG300-52 | SRW2048-K9 | <ul style="list-style-type: none"> • 50 10/100/1000 ports • 2 combo mini-GBIC ports |

*Each combo mini-GBIC port has one 10/100/1000 Ethernet port and one mini-GBIC/SFP Gigabit Ethernet slot, with one port active at a time.

Table 3. MFE and MGE Transceiver Ordering Information

| MFE Transceivers | |
|-------------------------|---|
| MFEBX1 | 100BASE-BX-20U SFP transceiver for single-mode fiber, 1310 nm wavelength, support up to 20 km |
| MFELX1 | 100BASE-LX SFP transceiver, for single-mode fiber, 1310 nm wavelength, support up to 2 km |
| MFEFX1 | 100BASE-FX SFP transceiver, for multimode fiber, 1310 nm wavelength, support up to 10 km |
| MGE Transceivers | |
| MGBBX1 | 1000BASE-BX-20U SFP transceiver, for single-mode fiber, 1310 nm wavelength, support up to 40 km |
| MGBLH1 | 1000BASE-LH SFP transceiver, for single-mode fiber, 1310 nm wavelength, support up to 40 km |
| MGBLX1 | 1000BASE-LX SFP transceiver, for single-mode fiber, 1310 nm wavelength, support up to 10 km |
| MGBSX1 | 1000BASE-SX SFP transceiver, for multimode fiber, 850 nm wavelength, support up to 550 m |

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As you strive to make your employees as productive and effective as possible, your business applications and information – and the network that delivers them – become an ever more vital part of your business. You need a technology foundation that can meet your business's needs today and in the future, and that delivers the right feature set at the right price. The Cisco 300 Series portfolio of managed switches provides the reliability, performance, security, and capabilities you need to power your business.

For More Information

To find out more about the Cisco 300 Series, visit www.cisco.com/go/300switches.

To learn about other products and solutions in the Cisco Small Business portfolio, visit www.cisco.com/go/smallbusiness.



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Cisco Systems, Inc.
San Jose, CA

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Cisco Systems International BV
Amsterdam, The Netherlands

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