

SG350-52 Datasheet

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Overview

The Cisco 350 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 350 series provides the ideal combination of affordability and capabilities for small businesses and helps you create a more efficient, better-connected workforce.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	SG350-52
Device Type	Switch - 52 ports - L3 - managed
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 2 x combo Gigabit SFP + 2 x Gigabit SFP

Product Details

-Simple-to-use graphical interfaces reduce the time required to deploy, troubleshoot, and manage the network and allow you to support sophisticated capabilities without increasing IT headcount.

-The switches also support Textview, a full command-line interface (CLI) option for partners that prefer it.

-Using Auto Smartports intelligence, the switch can detect a network device connected to any port and automatically configure the optimal security, quality of service (QoS), and availability on that port.

-Cisco Discovery Protocol discovers Cisco devices and allows devices to share critical configuration information, simplifying network setup and integration.

-Support for Simple Network Management Protocol (SNMP) allows you to set up and manage your switches and other Cisco devices remotely from a network management station, improving IT workflow and mass configurations.

-The Cisco FindIT utility, which works through a simple toolbar on the user's web browser, discovers Cisco devices in the network and displays basic information, such as serial numbers and IP addresses, to aid in configuration and deployment.

Related Modules

Table 2 shows the related models of Cisco 350 Series Unmanaged Switches.

Model	Description
SF350-08	8 10/100 ports
SF350-24	24 10/100 ports, 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-24MP	24 10/100 PoE+ ports with 375W power budget, 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-48	48 10/100 ports, 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-48MP	48 10/100 PoE+ ports with 740W power budget, 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-48P	48 10/100 PoE+ ports with 382W power budget, 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-10	8 10/100/1000 ports, 2 combo mini-GBIC ports
SG350-10MP-K9	8 10/100/1000 PoE ports with 128W power budget, 2 Combo mini-GBIC ports
SG350-10P	8 10/100/1000 PoE ports with 62W power budget, 2 Combo mini-GBIC ports
SG350-20	16 10/100/1000 ports, 2 Gigabit copper/SFP combo + 2 SFP ports

SG350-28	24 10/100/1000 ports, 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-28MP	24 10/100/1000 ports (24 PoE+ ports with 382W power budget), 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-28P	24 10/100/1000 ports (24 PoE ports with 195W power budget), 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-52	48 10/100/1000 ports, 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-52MP	48 10/100/1000 ports, 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-52P	48 10/100/1000 ports, 2 Gigabit copper/SFP combo + 2 SFP ports

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Specification

SG350-52 Specification	
Feature	Description
Spanning Tree Protocol (STP)	Standard 802.1d Spanning Tree support Fast convergence using 802.1w or Rapid Spanning Tree (RSTP), enabled by default 8 instances are supported Multiple Spanning Tree instances using 802.1s (MSTP)
Port Grouping	Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) Up to 8 groups Up to 8 ports per group with 16 candidate ports for each (dynamic) 802.3ad link aggregation
Virtual Local Area Network (VLAN)	Support for up to 4096 VLANs simultaneously Port-based and 802.1Q tag-based VLANs Media Access Control (MAC)-based VLAN Management VLAN Private VLAN Edge (PVE), also known as protected ports, with multiple uplinks Guest VLAN Unauthenticated VLAN Dynamic VLAN assignment via RADIUS server along with 802.1x client authentication Customer Premises Equipment (CPE) VLAN
Voice VLAN	Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS. Auto voice capabilities deliver networkwide zero-touch deployment of voice endpoints and call control devices.
Multicast TV VLAN	Multicast TV VLAN allows the single multicast VLAN to be shared in the network while subscribers remain in separate VLANs, also known as Multicast VLAN Registration(MVR)
Q-in-Q VLAN	VLANs transparently cross a service provider network while isolating traffic among customers
Generic VLAN Registration Protocol (GVRP) and Generic Attribute Registration Protocol (GARP)	Protocols for automatically propagating and configuring VLANs in a bridged domain
Unidirectional Link Detection (UDLD)	UDLD monitors physical connection to detect unidirectional links caused by incorrect wiring or cable/port faults to prevent forwarding loops and blackholing of traffic in switched networks

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 1K 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
Jumbo Frame	Up to 9K (9216) bytes
IPv4 routing	Wirespeed routing of IPv4 packets Up to 512 static routes and up to 128 IP interfaces
Classless Interdomain Routing (CIDR)	Support for CIDR
Layer 3 Interface	Configuration of Layer 3 interface on physical port, LAG, VLAN interface, or loopback interface
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
DHCP Server	Switch functions as an IPv4 DHCP server serving IP addresses for multiple DHCP pools/scopes Support for DHCP options
Dimensions (W x H x D)	SG350-10, SG350-10P, SG350-10MP: 11 x 1.45 x 6.7 in. (279.4 x 44.45 x 170 mm) SG355-10P, SG350-28: 17.3 x 1.45 x 10.1 in. (440 x 44.45 x 202 mm) SF350-48, SG350-28P, SG350-28MP: 17.3 x 1.45 x 10.1 in. (440 x 44.45 x 257 mm) SF350-48P, SF350-48MP: 17.3 x 1.45 x 13.78 in. (440 x 44.45 x 350 mm)
Power	100-240V 50-60 Hz, internal, universal: SF350-48P, SF350-48MP, SG350-28MP, SG350-28, SG350-28P, SG350-28MP 100-240V 50-60 Hz, 0.7A, external: SG350-10 100-240V 50-60 Hz, 1.5A, external: SG350-10P 100-240V 50-60 Hz, internal, universal: SG355-10P 100-240V 50-60 Hz, 2.0A, external: SG350-10MP
Certification	UL (UL 60950), CSA (CSA 22.2), CE mark, FCC Part 15 (CFR 47) Class A
Operating Temperature	SG350-10, SG350-10P, SG355-10P, SG350-10MP, SG350-28, SG350-28P, SG350-28MP 32° to 104°F (0° to 40°C) SG350-10MP, SG350-10P, SG350-28P 32° to 113°F (0° to 45°C) SF350-48P, SF350-48MP, SG350-28MP 32° to 122°F (0° to 50°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

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