

SG350-52P DATASHEET

Overview

The Cisco SG350-52P is a managed 52-port Gigabit Ethernet switch designed for growing enterprise and mid-sized business networks. It features 48 auto-sensing 10/100/1000 PoE+ ports, with 8 supporting 60W PoE for high-powered devices, plus 2 Gigabit copper/SFP combo uplinks and 2 SFP ports for flexible fiber or copper connections. Offering a robust switching capacity of 104 Gbps and a forwarding rate of 77.38 million packets per second, it delivers high performance for demanding network environments. The switch supports advanced Layer 3 static routing, extensive VLAN capabilities, and strong security features including 802.1X authentication and ACLs. Its intuitive management options include a web-based GUI, CLI, and SNMP.

QUICK SPEC

FIGURE 1: APPEARANCE OF SG350-52P



TABLE 1: Quick Specs

SKU	SG350-52P
Backplane speed	104 Gbps
Throughput	77.38 million packets per second (mpps)
Ports	48 10/100/1000 PoE+ ports (8 support 60W PoE) with 2 Gigabit copper/SFP combo + 2 SFP ports
Dimensions (W x H x D)	440 x 44 x 350 mm (17.3 x 1.73 x 13.78 in)

FIGURE 2: FRONT PANEL OF SG350-52P



SG350-52P Switch provides these features:

1.52 Gigabit Ethernet Ports

It provides extensive connectivity with 48 PoE-enabled ports and 4 additional uplink/combo ports (2 Gigabit copper/SFP combo + 2 SFP ports), allowing connection of numerous devices in a scalable network.

2.Power over Ethernet (PoE+)

It supports PoE+ on 48 ports with a total power budget of 375W, enabling simplified deployment of IP phones, wireless access points, and surveillance devices over a single Ethernet cable without additional power sources.

3.Advanced Security Features

It includes extensive access control lists (ACLs), 802.1X port-based authentication, private VLAN edge for intra-VLAN isolation, dynamic ARP inspection, IP Source Guard, DHCP snooping, secure management via SSL and SSH, protecting the network from unauthorized access and attacks.

4.Layer 3 Switching Capabilities

It supports static routing for efficient layer 3 traffic management, VLAN segmentation, and traffic optimization allowing organizations to segment networks and improve performance.

5.VLAN Support

It offers support for up to 4,094 VLAN IDs, including voice VLANs, guest VLANs, private VLANs, enabling flexible network segmentation and traffic isolation.

6.Energy Efficient Technology:

It is compliant with IEEE 802.3az Energy Efficient Ethernet standards, with features like automatic power down on inactive ports, adjustable signal strength, and LED power controls for reduced power consumption.

7.Management and Monitoring

It provides multiple management options including web-based GUI, Command-Line Interface (CLI), SNMP, and RMON for comprehensive network administration and monitoring.



8. Multigigabit Uplink Ports

It includes combo uplink ports that support fiber and copper connections, enhancing uplink flexibility and network scalability.

9. High Switching Capacity

It offers 104 Gbps switching capacity and a forwarding rate of 77.38 million packets per second ensuring high performance throughput for demanding network operations.

SPECIFICATION

SG350-52P SPECIFICATION	
Model	SG350-52P
Dimensions	440 x 44 x 350 mm (17.3 x 1.73 x 13.78 in)
Weight	3.81 kg (8.40 lb)
Capacity in Millions of Packets per Second (mpps) (64-byte packets)	77.38
Switching Capacity in Gigabits per Second (Gbps)	104.0
Power Dedicated to PoE	375W
Number of Ports That Support PoE	48 (8 support 60W PoE)
Green Power (mode)	EEE, Energy Detect, Short Reach
System Power Consumption	110V=62.4W 220V=61.8W
Power Consumption (with PoE)	110V=440.0W 220V=431.0W
Heat Dissipation (BTU/hr)	1429.4
Total System Ports	52 Gigabit Ethernet
RJ-45 Ports	48 Gigabit Ethernet
Combo Ports (RJ-45 + SFP)	2 Gigabit Ethernet combo + 2 SFP

Console port	Cisco Standard RJ45 console port
USB slot	USB Type-A slot on the front panel of the switch for easy file and image management
Buttons	Reset button
Cabling type	Unshielded Twisted Pair (UTP) Category 5 or better for 10BASE-T/100BASE-TX; UTP Category 5e or better for 1000BASE-T
LEDs	System, Link/Act, PoE, Speed
Flash	256 MB
CPU	800 MHz ARM
CPU memory	512 MB
Packet Buffer	3 MB
Operating temperature	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
FAN (Number)	3
Acoustic Noise	0°C - 25°C: 41.2dB 50°C: 54.2dB
MTBF @40C (hr)	195,746
Package Contents	Power Cord (Power Adapter for select SKUs) Mounting Kit Console Cable Quick Start Guide

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