

Product Specifications

Table 1 gives the product specifications for the Cisco 350 Series Switches.

Table 1. Product Specifications

Feature	Description		
Performance			
Switching capacity and forwarding rate All switches are wire speed and nonblocking	Model Name	Capacity in Millions of Packets per Second (mpps) (64-byte packets)	Switching Capacity in Gigabits per Second (Gbps)
	SF350-08	1.19	1.6
	SF352-08	4.17	5.6
	SF352-08P	4.17	5.6
	SF352-08MP	4.17	5.6
	SF350-24	9.52	12.8
	SF350-24P	9.52	12.8
	SF350-24MP	9.52	12.8
	SF350-48	13.09	17.6
	SF350-48P	13.09	17.6
	SF350-48MP	13.09	17.6
	SG350-8PD	46.13	62.0
	SG350-10	14.88	20.0
	SG350-10P	14.88	20.0
	SG350-10MP	14.88	20.0
	SG355-10MP	14.88	20.0
	SG350-10SFP	14.88	20.0
	SG350-20	29.76	40.0
	SG350-28	41.66	56.0
	SG350-28P	41.66	56.0
	SG350-28MP	41.66	56.0
	SG350-28SFP	41.66	56.0
	SG350-52	77.38	104.0
	SG350-52P	77.38	104.0
	SG350-52MP	77.38	104.0
USB slot	For file-management purposes		
Layer 2 Switching			
Spanning Tree Protocol	Standard 802.1d Spanning Tree support Fast convergence using 802.1w (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) <ul style="list-style-type: none">Up to 8 groupsUp to 8 ports per group with 16 candidate ports for each (dynamic) 802.3ad link aggregation		
VLAN	Support for up to 4096 VLANs simultaneously 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		

Feature	Description
	Guest VLAN Unauthenticated VLAN Dynamic VLAN assignment via RADIUS server along with 802.1x client authentication 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 MVR)
Q-in-Q VLAN	VLANs transparently cross a service provider network while isolating traffic among customers
Generic VLAN Registration Protocol (GVRP)/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
Loopback Detection	Loopback detection provides protection against loops by transmitting loop protocol packets out of ports on which loop protection has been enabled. It operates independently of STP
Jumbo frames	Up to 9K (9216) bytes
Layer 3	
IPv4 routing	Wirespeed routing of IPv4 packets Up to 1K static routes and up to 128 IP interfaces
IPv6 routing	Wirespeed routing of IPv6 packets
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
Security	
Secure Shell (SSH) Protocol	SSH is a secure replacement for Telnet traffic. SCP also uses SSH. 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
Web-based authentication	Web based authentication provides network admission control through web browser to any host devices and operating systems
STP Bridge Protocol Data Unit (BPDU) Guard	A security mechanism to protect the network from invalid configurations. A port enabled for BPDU Guard is shut down if a BPDU message is received on that port
STP Root Guard	This prevents edge devices not in the network administrator's control from becoming Spanning Tree Protocol root nodes

Feature	Description
DHCP snooping	Filters out DHCP messages with unregistered IP addresses and/or from unexpected or untrusted interfaces. This prevents rogue devices from behaving as DHCP Servers
IP Source Guard (IPSG)	When IP Source Guard is enabled at a port, the switch filters out IP packets received from the port if the source IP addresses of the packets have not been statically configured or dynamically learned from DHCP snooping. This prevents IP Address Spoofing
Dynamic ARP Inspection (DAI)	The switch discards ARP packets from a port if there are no static or dynamic IP/MAC bindings or if there is a discrepancy between the source or destination addresses in the ARP packet. This prevents man-in-the-middle attacks
IP/MAC/Port Binding (IPMB)	The preceding features (DHCP Snooping, IP Source Guard, and Dynamic ARP Inspection) work together to prevent DOS attacks in the network, thereby increasing network availability
Secure Core Technology (SCT)	Makes sure that the switch will receive and process management and protocol traffic no matter how much traffic is received
Secure Sensitive Data (SSD)	A mechanism to manage sensitive data (such as passwords, keys, and so on) securely on the switch, populating this data to other devices, and secure autoconfig. Access to view the sensitive data as plaintext or encrypted is provided according to the user-configured access level and the access method of the user
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	The ability to lock source 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
RADIUS accounting	The RADIUS accounting functions allow data to be sent at the start and end of services, indicating the amount of resources (such as time, packets, bytes, and so on) used during the session
DoS prevention	Denial-Of-Service (DOS) attack prevention
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, time-based ACLs supported
Quality of Service	
Priority levels	8 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 remarking ACLs, trusted QoS
Rate limiting	Ingress policer; egress shaping and rate control; per VLAN, per port, and flow based
Congestion avoidance	A TCP congestion avoidance algorithm is required to minimize and prevent global TCP loss synchronization
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 1042, RFC 1071, RFC 1123, RFC 1141, RFC 1155, RFC 1157, RFC 1350, RFC 1533, RFC 1541, 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
IPv6	
IPv6	IPv6 host mode IPv6 over Ethernet Dual IPv6/IPv4 stack IPv6 neighbor and router discovery (ND) IPv6 stateless address autoconfiguration Path Maximum Transmission Unit (MTU) discovery Duplicate Address Detection (DAD)

Feature	Description	
	ICMP version 6 IPv6 over IPv4 network with Intrasite Automatic Tunnel Addressing Protocol (ISATAP) support USGv6 and IPv6 Gold Logo certified	
IPv6 QoS	Prioritize IPv6 packets in hardware	
IPv6 ACL	Drop or rate limit IPv6 packets in hardware	
IPv6 First Hop Security	RA guard ND inspection DHCPv6 guard Neighbor binding table (snooping and static entries) Neighbor binding integrity check	
Multicast Listener Discovery (MLD v1/2) 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, Telnet Client, DHCP Client, DHCP Autoconfig, IPv6 DHCP Relay, TACACS	
IPv6 RFCs supported	RFC 4443 (which obsoletes RFC2463): ICMP version 6 RFC 4291 (which obsoletes RFC 3513): IPv6 address architecture RFC 4291: IPv6 addressing architecture RFC 2460: IPv6 specification RFC 4861 (which obsoletes RFC 2461): neighbor discovery for IPv6 RFC 4862 (which obsoletes RFC 2462): IPv6 stateless address autoconfiguration RFC 1981: path MTU discovery RFC 4007: IPv6 scoped address architecture RFC 3484: default address selection mechanism RFC 5214 (which obsoletes 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	
Smart Network Application	Smart Network Application (SNA) is an innovative network-level monitoring and management tool embedded in Cisco 100 to 500 Series switches. It can discover network topology, display link status, monitor events, apply configurations, and upgrade software images across multiple switches in the network (Note: Management of your network using Smart Network Application requires the use of either a 350, 350X, or 550X Series switch model as a part of your network)	
SNMP	SNMP versions 1, 2c, and 3 with support for traps, and SNMP version 3 User-based Security Model (USM)	
Standard MIBs	draft-ietf-bridge-8021x-MIB draft-ietf-bridge-rstpmib-04-MIB draft-ietf-hubmib-etherif-MIB-v3-00-MIB draft-ietf-syslog-device-MIB ianaaddrfamnumbers-MIB ianaifty-MIB ianaprot-MIB inet-address-MIB ip-forward-MIB ip-MIB RFC1155-SMI RFC1213-MIB SNMPv2-MIB SNMPv2-SMI SNMPv2-TM RMON-MIB.my dcb-raj-DCBX-MIB-1108-MIB rfc1724-MIB RFC-1212.my_for_MG-Soft rfc1213-MIB rfc1757-MIB RFC-	rfc2011-MIB draft-ietf-entmib-sensor-MIB lldp-MIB lldpextdot1-MIB lldpextdot3-MIB lldpextmed-MIB p-bridge-MIB q-bridge-MIB rfc1389-MIB rfc1493-MIB rfc1611-MIB rfc1612-MIB rfc1850-MIB rfc1907-MIB rfc2571-MIB rfc2572-MIB rfc2574-MIB rfc2576-MIB rfc2613-MIB rfc2665-MIB rfc2668-MIB

Feature	Description	
	1215.my SNMPv2-CONF.my SNMPv2-TC.my rfc2674-MIB rfc2575-MIB rfc2573-MIB rfc2233-MIB rfc2013-MIB rfc2012-MIB	rfc2737-MIB rfc2925-MIB rfc3621-MIB rfc4668-MIB rfc4670-MIB trunk-MIB tunnel-MIB udp-MIB
Private MIBs	CISCOB-ldp-MIB CISCOB-brgmulticast-MIB CISCOB-bridgemibobjects-MIB CISCOB-bonjour-MIB CISCOB-dhcpcl-MIB CISCOB-MIB CISCOB-wrandomtaildrop-MIB CISCOB-traceroute-MIB CISCOB-telnet-MIB CISCOB-stormctrl-MIB CISCOB-ssh-MIB CISCOB-socket-MIB CISCOB-sntp-MIB CISCOB-smon-MIB CISCOB-phy-MIB CISCOB-multisessionterminal-MIB CISCOB-mri-MIB CISCOB-jumboframes-MIB CISCOB-gvrp-MIB CISCOB-endofmib-MIB CISCOB-dot1x-MIB CISCOB-deviceparams-MIB CISCOB-cli-MIB CISCOB-cdb-MIB CISCOB-brgmacswitch-MIB CISCOB-3sw2swtables-MIB CISCOB-smartPorts-MIB CISCOB-tbi-MIB CISCOB-macbaseprio-MIB CISCOB-policy-MIB CISCOB-env_mib CISCOB-sensor-MIB CISCOB-aaa-MIB CISCOB-application-MIB CISCOB-bridgesecurity-MIB CISCOB-copy-MIB CISCOB-CpuCounters-MIB CISCOB-Custom1BonjourService-MIB CISCOB-dhcp-MIB CISCOB-dlf-MIB CISCOB-dnscl-MIB CISCOB-embweb-MIB CISCOB-fft-MIB CISCOB-file-MIB CISCOB-greeneth-MIB CISCOB-interfaces-MIB CISCOB-interfaces_recovery-MIB	CISCOB-ip-MIB CISCOB-iprouter-MIB CISCOB-ipv6-MIB CISCOB-mnginf-MIB CISCOB-licl-MIB CISCOB-localization-MIB CISCOB-mcmngr-MIB CISCOB-mng-MIB CISCOB-phsysdescription-MIB CISCOB-Poe-MIB CISCOB-protectedport-MIB CISCOB-rmon-MIB CISCOB-rs232-MIB CISCOB-SecuritySuite-MIB CISCOB-snmp-MIB CISCOB-specialbpdu-MIB CISCOB-banner-MIB CISCOB-syslog-MIB CISCOB-TcpSession-MIB CISCOB-traps-MIB CISCOB-trunk-MIB CISCOB-tuning-MIB CISCOB-tunnel-MIB CISCOB-udp-MIB CISCOB-vlan-MIB CISCOB-ipstdacl-MIB CISCO-SMI-MIB CISCOB-DebugCapabilities-MIB CISCOB-CDP-MIB CISCOB-vlanVoice-MIB CISCOB-EVENTS-MIB CISCOB-sysmng-MIB CISCOB-sct-MIB CISCO-TC-MIB CISCO-VTP-MIB CISCO-CDP-MIB CISCOB-eee-MIB CISCOB-ssl-MIB CISCOB-qosclimib-MIB CISCOB-digitalkeymanage-MIB CISCOB-tbp-MIB CISCOB-MIB CISCOB-secsd-MIB CISCOB-draft-ietf-entmib-sensor-MIB CISCOB-draft-ietf-syslog-device-MIB CISCOB-rfc2925-MIB

Feature	Description
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
Firmware upgrade	<ul style="list-style-type: none"> • Web browser upgrade (HTTP/HTTPS) and TFTP and upgrade over SCP running over SSH • 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 12, 66, 67, 82, 129, and 150)	DHCP options facilitate tighter control from a central point (DHCP server) to obtain IP address, autoconfiguration (with configuration file download), DHCP relay, and hostname
Secure Copy (SCP)	Securely transfer files to and from the switch
Autoconfiguration with Secure Copy (SCP) file download	Enables secure mass deployment with protection of sensitive data
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
Auto Smartports	Applies the intelligence delivered through the Smartport roles and applies it automatically to the port based on the devices discovered over Cisco Discovery Protocol or LLDP-MED. This facilitates zero-touch deployments
Textview CLI	Scriptable command-line interface. A full CLI as well as a menu-based CLI is supported. User privilege levels 1, 7, and 15 are supported for the CLI
Cloud services	Support for Cisco Small Business FindIT Network
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)
Time-based port operation	Link up or down based on user-defined schedule (when the port is administratively up)
Time-based PoE	Capability for power to be on or off based on a user-defined schedule to save energy
Login banner	Configurable multiple banners for web as well as CLI
Power Efficiency	
EEE Compliant (802.3az)	Supports 802.3az on all copper ports (SG350 models)
Energy Detect	Automatically turns power off on Gigabit Ethernet and 10/100 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 for Gigabit Ethernet models. Reduces the power consumption for cables shorter than 10m
Disable port LEDs	LEDs can be manually turned off to save on energy
General	
Jumbo frames	Frame sizes up to 9K (9216) bytes supported on 10/100 and Gigabit interfaces
MAC table	Up to 16K (16384) 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. It also learns the connected device and its characteristics via Cisco Discovery Protocol

Feature	Description			
Power over Ethernet (PoE)				
802.3af PoE, 802.3at PoE+, and 60W PoE power are delivered over any of the RJ-45 ports within the listed power budgets	Switches support 802.3at PoE+, 802.3af, 60W PoE, and Cisco prestandard (older) PoE. Maximum power of 60W to any 10/100 or Gigabit Ethernet port for PoE+ supported devices and 15.4W for PoE supported devices, until the PoE budget for the switch is reached. The total power available for PoE per switch is as follows:			
	Model Name	Power Dedicated to PoE	Number of Ports That Support PoE	
	SF352-08P	62W	8	
	SF352-08MP	128W	8	
	SF350-24P	185W	24	
	SF350-24MP	375W	24	
	SF350-48P	382W	48	
	SF350-48MP	740W	48	
	SG350-8PD	124W	8	
	SG350-10P	62W	8	
	SG355-10P	62W	8	
	SG350-10MP	124W	8	
	SG350-28P	195W	24	
	SG350-28MP	382W	24	
	SG350-52P	375W	48	
	SG350-52MP	740W	48	
	PoE powered device and PoE passthrough	In addition to AC power, compact switch models can work as PoE powered devices and be powered by PoE switches connected to the uplink ports. The switch can also pass through the power to downstream PoE end devices if required		
Maximum of 60W can be drawn per uplink port if the peer PoE switch supports 60W PoE. When multiple uplink ports are connected to PoE switches, the power drawn from these ports is combined				
When AC power is connected and functioning properly, it will have priority over the PoE powered device function. The PoE powered device function will then act as a backup power source to the AC power. The PoE powered device function will be the primary power source for the switch if AC power is not connected				
Model		Power Option	Available PoE Power (W)	Can Switch Be Powered with Uplinks?
SG350-10P		1 PoE uplink	0W	Yes
		2 PoE uplink	0W	Yes
		1 PoE+ uplink	0W	Yes
		2 PoE+ uplink	22W	Yes
		1 60W PoE uplink	22W	Yes
		2 60W PoE uplink	50W	Yes
		AC power	62W	Yes
SG350-10MP		1 PoE uplink	0W	Yes
		2 PoE uplink	0W	Yes
		1 PoE+ uplink	0W	Yes
		2 PoE+ uplink	22W	Yes
		1 60W PoE uplink	22W	Yes
		2 60W PoE uplink	50W	Yes
		AC power	128W	Yes
SG355-10P		1 PoE uplink	0W	Yes
		2 PoE uplink	0W	Yes
	1 PoE+ uplink	0W	Yes	
	2 PoE+ uplink	22W	Yes	

Feature	Description				
			1 60W PoE uplink	22W	Yes
			2 60W PoE uplink	50W	Yes
			AC power	62W	Yes
	Model	Green Power (mode)	System Power Consumption	Power Consumption (with PoE)	Heat Dissipation (BTU/hr)
	SF350-08	Energy Detect	110V=5.6W 220V=5.8W	N/A	30.0
	SF352-08	Energy Detect	110V=6.9W 220V=6.9W	N/A	23.5
	SF352-08P	Energy Detect	110V=10.4W 220V=11.2W	110V=78.7W 220V=79.3W	207.4
	SF352-08MP	Energy Detect	110V=10.4W 220V=11.2W	110V=157.2W 220V=156.2W	536.1
	SF350-24	Energy Detect	110V=10.6W 220V=10.9W	110V=240W 220V=230W	43.3
	SF350-24P	Energy Detect	110V=10.6W 220V=10.9W	110V=240W 220V=230W	684.1
	SF350-24MP	Energy Detect	110V=29.2W 220V=28.3W	110V=238W 220V=233W	1333.0
	SF350-48	Energy Detect	110V=23.4W 220V=24.2W	N/A	82.6
	SF350-48P	Energy Detect	110V=50.8W 220V=52.1W	110V=464.3W 220V=453.1W	1584.3
	SF350-48MP	Energy Detect	110V=58.4W 220V=58.5W	110V=866.7W 220V=843.5W	2957.3
	SG350-8PD	EEE, Energy Detect, Short Reach	110V=29.8W 220V=31.3W	110V=167W 220V=165.2W	569.5
	SG350-10	EEE, Energy Detect, Short Reach	110V=9.0W 220V=9.8W	N/A	33.4
	SG350-10P	EEE, Energy Detect, Short Reach	110V=13.0W 220V=13.5W	110V=84.7W 220V=83.5W	289.0
	SG355-10P	EEE, Energy Detect, Short Reach	110V=12.4W 220V=12.6W	110V=83.5W 220V=83.4W	284.8
	SG350-10MP	EEE, Energy Detect, Short Reach	110V=13.2W 220V=13.5W	110V=152.8W 220V=151.6W	521.5
	SG350-10SFP	EEE, Energy Detect, Short Reach	110V=11.1W 220V=11.9W	N/A	40.6
	SG350-20	EEE, Energy Detect, Short Reach	110V=14.5W 220V=15.2W	N/A	51.8
	SG350-28	EEE, Energy Detect, Short Reach	110V=19.7W 220V=19.9W	N/A	67.9
	SG350-28P	EEE, Energy Detect, Short Reach	110V=35.7W 220V=36.9W	110V=263W 220V=255.1W	897.4
	SG350-28MP	EEE, Energy Detect, Short Reach	110V=41.3W 220V=42.1W	110V=261.1W 220V=451.2W	1573.3
	SG350-28SFP	EEE, Energy Detect, Short Reach	110V=32.0W 220V=34.3W	N/A	117.0

Feature	Description				
	SG350-52	EEE, Energy Detect, Short Reach	110V=40.4W 220V=40.6.8W	N/A	136.4
	SG350-52P	EEE, Energy Detect, Short Reach	110V=62.4W 220V=61.8W	110V=440.0W 220V=431.0W	1429.4
	SG350-52MP	EEE, Energy Detect, Short Reach	110V=72.5W 220V=73.6W	110V=858.0W 220V=833.0W	2674.8
Ports	Model Name	Total System Ports	RJ-45 Ports	Combo Ports (RJ-45 + SFP)	
	SF350-08	8 Fast Ethernet	8 Fast Ethernet		
	SF352-08	8 Fast Ethernet + 2 Gigabit Ethernet	8 Fast Ethernet	2 Gigabit Ethernet combo	
	SF352-08P	8 Fast Ethernet + 2 Gigabit Ethernet	8 Fast Ethernet	2 Gigabit Ethernet combo	
	SF352-08MP	8 Fast Ethernet + 2 Gigabit Ethernet	8 Fast Ethernet	2 Gigabit Ethernet combo	
	SF350-24	24 Fast Ethernet + 4 Gigabit Ethernet	24 Fast Ethernet	2 Gigabit Ethernet combo + 2 SFP	
	SF350-24P	24 Fast Ethernet + 4 Gigabit Ethernet	24 Fast Ethernet	2 Gigabit Ethernet combo + 2 SFP	
	SF350-24MP	24 Fast Ethernet + 4 Gigabit Ethernet	24 Fast Ethernet	2 Gigabit Ethernet combo + 2 SFP	
	SF350-48	48 Fast Ethernet + 4 Gigabit Ethernet	48 Fast Ethernet 2 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet	
	SF350-48P	48 Fast Ethernet + 4 Gigabit Ethernet	48 Fast Ethernet 2 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet	
	SF350-48MP	48 Fast Ethernet + 4 Gigabit Ethernet	48 Fast Ethernet 2 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet	
	SG350-8PD	6 Gigabit Ethernet + 2 2.5G	8 Gigabit Ethernet	2 Gigabit Ethernet combo	
	SG350-10	10 Gigabit Ethernet	8 Gigabit Ethernet	2 Gigabit Ethernet combo	
	SG350-10P	10 Gigabit Ethernet	8 Gigabit Ethernet	2 Gigabit Ethernet combo	
	SG355-10P	10 Gigabit Ethernet	8 Gigabit Ethernet	2 Gigabit Ethernet combo	
	SG350-10MP	10 Gigabit Ethernet	8 Gigabit Ethernet	2 Gigabit Ethernet combo	
	SG350-10SFP	10 Gigabit Ethernet	8 Gigabit SFP Slots	2 Gigabit Ethernet combo	
	SG350-20	20 Gigabit Ethernet	16 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet combo	
	SG350-28	28 Gigabit Ethernet	24 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet combo	
	SG350-28P	28 Gigabit Ethernet	24 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet combo	
	SG350-28MP	28 Gigabit Ethernet	24 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet combo	
	SG350-28SFP	28 Gigabit Ethernet	24 Gigabit SFP slots	2 Gigabit Ethernet combo	
	SG350-52	52 Gigabit Ethernet	48 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet combo	
	SG350-52P	52 Gigabit Ethernet	48 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet combo	
	SG350-52MP	52 Gigabit Ethernet	48 Gigabit Ethernet	2 SFP slots, 2 Gigabit Ethernet combo	
Buttons	Reset button				

Feature	Description			
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, LED power saving option			
Flash	256 MB			
CPU memory	512 MB			
Packet buffer	All numbers are aggregate across all ports as the buffers are dynamically shared:			
	Model Name	Packet Buffer		
	SF350-08	12 Mb		
	SF352-08	1.5 Mb		
	SF352-08P	1.5 Mb		
	SF352-08MP	1.5 Mb		
	SF350-24	12 Mb		
	SF350-24P	12 Mb		
	SF350-24MP	12 Mb		
	SF350-48	24 Mb		
	SF350-48P	24 Mb		
	SF350-48MP	24 Mb		
	SG350-8PD	12 Mb		
	SG350-10	12 Mb		
	SG350-10P	12 Mb		
	SG355-10P	12 Mb		
	SG350-10SFP	1.5 Mb		
	SG350-20	1.5 Mb		
	SG350-10MP	12 Mb		
	SG350-28	12 Mb		
	SG350-28P	12 Mb		
	SG350-28MP	12 Mb		
	SG350-28SFP	12 Mb		
	SG350-52	24 Mb		
	SG350-52P	24 Mb		
	SG350-52MP	24 Mb		
Supported SFP modules	SKU	Media	Speed	Maximum Distance
	MGBSX1	Multimode fiber	1000 Mbps	350 m
	MGBLH1	Single-mode fiber	1000 Mbps	40 km
	MGBT1	UTP cat 5	1000 Mbps	100 m
Environmental				
Unit dimensions (W x H x D)	Model Name	Unit Dimensions		
	SF350-08	279.4 x 44 x 170 mm (11.0 x 1.45 x 6.69 in)		
	SF352-08	279.4 x 44 x 170 mm (11.0 x 1.45 x 6.69 in)		
	SF352-08P	279.4 x 44 x 170 mm (11.0 x 1.45 x 6.69 in)		
	SF352-08MP	279.4 x 44 x 170 mm (11.0 x 1.45 x 6.69 in)		
	SF350-24	440 x 44 x 202 mm (17.3 x 1.45 x 7.95 in)		
	SF350-24P	440 x 44 x 257 mm (17.3 x 1.45 x 10.12 in)		

Feature	Description	
	SF350-24MP	440 x 44 x 257 mm (17.3 x 1.45 x 10.12 in)
	SF350-48	440 x 44 x 257 mm (17.3 x 1.45 x 10.12 in)
	SF350-48P	440 x 44 x 350 mm (17.3 x 1.45 x 13.78 in)
	SF350-48MP	440 x 44 x 350 mm (17.3 x 1.45 x 13.78 in)
	SG350-8PD	344.4 x 44 x 252.5 (13.6 x 1.45 x 9.94 in)
	SG350-10	280 x 44 x 170 mm (11.0 x 1.45 x 6.69 in)
	SG350-10P	280 x 44 x 170 mm (11.0 x 1.45 x 6.69 in)
	SG355-10P	440 x 44 x 203 mm (17.3 x 1.45 x 7.99 in)
	SG350-10MP	160 x 30 x 128 mm (6.3 x 1.18 x 5.04 in)
	SG350-10SFP	279.4 x 44 x 170 mm (11.0 x 1.45 x 6.69 in)
	SG350-20	440 x 44 x 203 mm (17.3 x 1.45 x 7.99 in)
	SG350-28	440 x 44 x 202 mm (17.3 x 1.45 x 7.95 in)
	SG350-28P	440 x 44 x 257 mm (17.3 x 1.45 x 10.12 in)
	SG350-28MP	440 x 44 x 257 mm (17.3 x 1.45 x 10.12 in)
	SG350-28SFP	440 x 44 x 257 mm (17.3 x 1.45 x 10.12 in)
	SG350-52	440 x 44 x 257 mm (17.3 x 1.45 x 10.12 in)
	SG350-52P	440 x 44 x 350 mm (17.3 x 1.45 x 13.78 in)
	SG350-52MP	440 x 44 x 350 mm (17.3 x 1.45 x 13.78 in)
Unit weight	Model Name	Unit Weight
	SF350-08	1.18 kg (2.60 lb)
	SF352-08	1.06 kg (2.34 lb)
	SF352-08P	1.16 kg (2.56 lb)
	SF352-08MP	1.16 kg (2.56 lb)
	SF350-24	2.72 kg (6.0 lb)
	SF350-24P	4.08 kg (8.99 lb)
	SF350-24MP	4.12 kg (9.08 lb)
	SF350-48	3.58 kg (7.89 lb)
	SF350-48P	5.59 kg (12.32 lb)
	SF350-48MP	5.61 kg (12.37 lb)
	SG350-8PD	2.5 kg (5.51 lb)
	SG350-10	1.09 kg (2.40 lb)
	SG350-10P	1.19 kg (2.62 lb)
	SG355-10P	2.36 kg (5.20 lb)
	SG350-10MP	1.19 kg (2.62 lb)
	SG350-10SFP	2.08 kg (4.59 lb)
	SG350-20	2.12 kg (4.67 lb)
	SG350-28	2.75 kg (6.06 lb)
	SG350-28P	3.83 kg (8.44 lb)
	SG350-28MP	3.37 kg (7.43 lb)
	SG350-28SFP	2.7 kg (5.95 lb)
	SG350-52	2.75 kg (6.06 lb)
	SG350-52P	3.81 kg (8.40 lb)
	SG350-52MP	3.83 kg (8.44 lb)

Feature	Description			
Power	100-240V 50-60 Hz, internal, universal: SF350-24, SF350-24P, SF350-24MP, SF350-48, SF350-48P, SF350-48MP, SG350-20, SG350-28, SG350-28P, SG350-28MP, SG350-28SFP, SG350-52, SG350-52P, SG350-52MP 100-240V 50-60 Hz, 0.5A, external: SF350-08 100-240V 50-60 Hz, 0.7A, external: SF352-08, SG350-8PD 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: SF352-08P, SF352-08MP, SG350-10MP			
Certification	UL (UL 60950), CSA (CSA 22.2), CE mark, FCC Part 15 (CFR 47) Class A			
Operating temperature	32° to 113°F (0° to 45°C): SG350-08PD 32° to 122°F (0° to 50°C): SF350-08, SF352-08, SF352-08P, SF352-08MP, SF350-24, SF350-24P, SF350-24MP, SF350-48, SF350-48P, SF350-48MP, SG350-10, SG350-10P, SG355-10P, SG350-10MP, SG350-10SFP, SG350-20, SG350-28, SG350-28P, SG350-28MP, SG350-28SFP, SG350-52, SG350-52P, SG350-52MP			
Storage temperature	-4° to 158°F (-20° to 70°C)			
Operating humidity	10% to 90%, relative, noncondensing			
Storage humidity	10% to 90%, relative, noncondensing			
Acoustic noise and MTBF	Model Name	FAN (Number)	Acoustic Noise	MTBF @40C (hr)
	SF350-08	Fanless	N/A	644,573
	SF352-08	Fanless	N/A	532,704
	SF352-08P	Fanless	N/A	530,716
	SF352-08MP	Fanless	N/A	478,335
	SF350-24	Fanless	N/A	562,313
	SF350-24P	2	52.2 dB at 40C	293,029
	SF350-24MP	2	52.2 dB at 40C	272,127
	SF350-48	Fanless	N/A	277,653
	SF350-48P	3	53.7 dB at 40C	182,270
	SF350-48MP	4	49.8 dB at 40C	191,951
	SG350-10	Fanless	N/A	308,196
	SG350-10P	Fanless	N/A	205,647
	SG355-10P	Fanless	N/A	296,426
	SG350-10MP	Fanless	N/A	80,093
	SG350-10SFP	Fanless	N/A	851,827
	SG350-20	Fanless	N/A	1,400,007
	SG350-28	Fanless	N/A	367,209
	SG350-28P	2	47.9 dB at 40C	396,687
	SG350-28MP	2	49.6 dB at 40C	213,373
	SG350-28SFP	1	43.6 dB at 50C	101,523
	SG350-52	1	48.0 dB at 40C	301,297
	SG350-52P	3	54.2 dB at 40C	195,746
	SG350-52MP	4	51.7 dB at 40C	163,704
Warranty	Limited lifetime with next business day advance replacement (where available)			

Feature	Description
Package Contents	
<ul style="list-style-type: none"> • Cisco 350 Series Switch • Power Cord (Power Adapter for Desktop SKUs) • Mounting Kit included in all SKUs, including desktop models • Console Cable • Quick Start Guide 	
Minimum Requirements	
<ul style="list-style-type: none"> • Web browser: Mozilla Firefox version 8 or later; Microsoft Internet Explorer version 7 or later, Safari, Chrome • 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 350 Series Switches. Table 3 gives region- and country-specific information, and Table 4 provides MFE and MGE transceiver ordering information.

Table 2. Cisco 350 Series Switches Ordering Information

Model Name	Order Product ID Number	Description
Fast Ethernet		
SF350-08	SF350-08-K9-xx	<ul style="list-style-type: none"> • 8 10/100 ports
SF352-08	SF352-08-K9-xx	<ul style="list-style-type: none"> • 8 10/100 ports • 2 Gigabit copper/SFP combo
SF352-08P	SF352-08P-K9-xx	<ul style="list-style-type: none"> • 8 10/100 ports with 62W power budget • 2 Gigabit copper/SFP combo
SF352-08MP	SF352-08MP-K9-xx	<ul style="list-style-type: none"> • 8 10/100 ports with 128W power budget • 2 Gigabit copper/SFP combo
SF350-24	SF350-24-K9-xx	<ul style="list-style-type: none"> • 24 10/100 ports • 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-24P	SF350-24P-K9-xx	<ul style="list-style-type: none"> • 24 10/100 PoE+ ports with 185W power budget • 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-24MP	SF350-24MP-K9-xx	<ul style="list-style-type: none"> • 24 10/100 PoE+ ports with 375W power budget • 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-48	SF350-48-K9	<ul style="list-style-type: none"> • 48 10/100 ports • 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-48P	SF350-48P-K9	<ul style="list-style-type: none"> • 48 10/100 PoE+ ports with 382W power budget • 2 Gigabit copper/SFP combo + 2 SFP ports
SF350-48MP	SF350-48MP-K9	<ul style="list-style-type: none"> • 48 10/100 PoE+ ports with 740W power budget • 2 Gigabit copper/SFP combo + 2 SFP ports
Gigabit Ethernet		
SG350-8PD	SG350-8PD-K9	<ul style="list-style-type: none"> • 8 10/100/1000 ports • 2 2.5G ports • 2 combo mini-GBIC ports
SG350-10	SG350-10-K9	<ul style="list-style-type: none"> • 8 10/100/1000 ports • 2 combo mini-GBIC ports
SG350-10P	SG350-10P-K9	<ul style="list-style-type: none"> • 8 10/100/1000 PoE ports with 62W power budget • 2 Combo mini-GBIC ports
SG350-10MP	SG350-10MP-K9	<ul style="list-style-type: none"> • 8 10/100/1000 PoE ports with 128W power budget • 2 Combo mini-GBIC ports

Model Name	Order Product ID Number	Description
SG355-10P	SG355-10P-K9	<ul style="list-style-type: none"> • 8 10/100/1000 PoE+ ports with 62W power budget • 2 Combo mini-GBIC ports
SG350-10SFP	SG350-10SFP-K9	<ul style="list-style-type: none"> • 8 SFP Gigabit slots • 2 Gigabit copper/SFP combo
SG350-20	SG350-20-K9	<ul style="list-style-type: none"> • 16 10/100/1000 ports • 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-28	SG350-28-K9	<ul style="list-style-type: none"> • 24 10/100/1000 ports • 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-28P	SG350-28P-K9	<ul style="list-style-type: none"> • 24 10/100/1000 ports (24 PoE ports with 195W power budget) • 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-28MP	SG350-28MP-K9	<ul style="list-style-type: none"> • 24 10/100/1000 ports (24 PoE+ ports with 382W power budget) • 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-28SFP	SG350-28SFP-K9	<ul style="list-style-type: none"> • 24 SFP Gigabit slots • 2 Gigabit copper/SFP combo
SG350-52	SG350-52-K9-xx	<ul style="list-style-type: none"> • 48 10/100/1000 ports • 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-52P	SG350-52P-K9-xx	<ul style="list-style-type: none"> • 48 10/100/1000 ports • 2 Gigabit copper/SFP combo + 2 SFP ports
SG350-52MP	SG350-52MP-K9-xx	<ul style="list-style-type: none"> • 48 10/100/1000 ports • 2 Gigabit copper/SFP combo + 2 SFP 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.

The -xx in the Product Order ID Number is a country-/region-specific suffix. For example, the complete PID of SG350-28P for the United States is SG350-28P-K9-NA. Please refer to Table 2 for the correct suffix to use for your country/region.

Table 3. Country/Region Suffix for Product Order ID Number

Suffix	Country/Region
-NA	• USA, Canada, Mexico, Colombia, Chile and rest of LATAM
-BR	• Brazil
-AR	• Argentina
-EU	• EU, Russia, Ukraine, Israel, UAE, Turkey, Egypt, South Africa, Indonesia, Philippines, Vietnam, Thailand, India, Korea
-UK	• United Kingdom, Saudi Arabia, Qatar, Kuwait, Singapore, Hong Kong, Malaysia
-AU	• Australia, New Zealand
-CN	• China
-IN	• India
-JP	• Japan
-KR	• Korea

The products may also be available in a country/region not listed in Table 3. Not all product models are offered in all countries/regions. For India, either -EU or -IN suffix will be used depending on product models. For Korea, either -EU or -KR suffix will be used depending on product models. Please consult with your local Cisco sales representative or Cisco partners for more details.

Table 4. MFE and MGE Transceiver Ordering Information

MGE Transceivers	
MGBLH1	1000BASE-LH SFP transceiver, for single-mode fiber, 1310 nm wavelength, support up to 40 km
MGBSX1	1000BASE-SX SFP transceiver, for multimode fiber, 850 nm wavelength, support up to 550 m

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For More Information

To find out more about the Cisco 350 Series, visit <https://www.cisco.com/go/350switches>.



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