SonicWall Switch

The SonicWall Switch delivers high-speed network switching while providing unparalleled performance and manageability. Its unified security posture, high port density, Power over Ethernet (PoE) options and multi-gigabit performance capabilities makes it ideal for small and medium-sized business (SMB), and Software-Defined Branch (SD-Branch) deployments. This enables businesses – big or small, to undergo digital transformation and keep pace with the changing network and security landscape.

The SonicWall Secure SD-Branch solution transforms user experience at branch office locations by delivering a unified platform that enables branches to be deployed in minutes and delivers unified visibility and threat detection from a single pane of glass. SonicWall SD-Branch components consist of SonicWall next-generation firewalls with Secure SD-WAN, Capture Security Center with Zero-Touch Deployment, SonicWall Switches, SonicWave access points (AP), Capture Client and Cloud App Security. With the flexibility that SonicWall Secure SD-Branch offers, organizations can now be more agile, open and cloud-centric.

An integral part of the next-generation branch transformation, the SonicWall Switches are managed via firewalls for unified, single-pane-of-glass management of the entire SonicWall infrastructure. By tightly integrating with firewalls, the solution benefits from unified security posture and offers an end-to-end security solution that simplifies deployment, management and troubleshooting. This ensures seamless security and eliminates gap in security posture that may arise with third party switches.

In conjunction, the SonicWall Switch offers Zero-Touch Deployment capability with the ability to quickly roll out devices across branches spread out globally. Admins can quickly and securely deploy these switches at new locations without requiring any costly on-site IT personnel.

Packed with features, these stackable switches are available in a compact form factor with an energy-efficient design. Available in seven models, ranging from eight to 48, with gigabit and 10 gigabit Ethernet ports, the switches work seamlessly with SonicWall next-generation firewalls and SonicWave APs to create an end-to-end multi-gigabit secure network. The Ethernet ports provide PoE options to power on various devices such as APs, VOIP phones and IP cameras.

Prioritize certain traffic on the network such as VOIP for video conferences while working from home, with features such as QoS. Easily segment devices in the network and maintain compliance. Segregating can be accomplished by creating policies or VLANs. Features such as 802.1X authentication allows business to maintain PCI compliance.
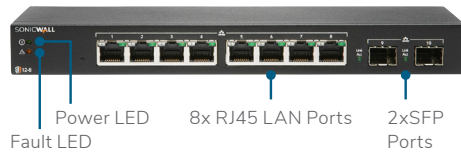
Benefits:

- SD-Branch ready
- Firewall managed
- Zero-Touch Deployment
- Unified security posture
- Layer 2 switching
- Multi-gigabit performance
- 8/24/48-port models
- Various PoE options
- QoS support
- Switch stack support
- Segmentation and compliance
- Compact form factor
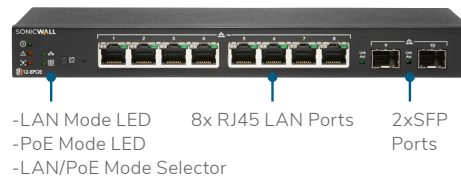- Energy-efficient design

Product Offering

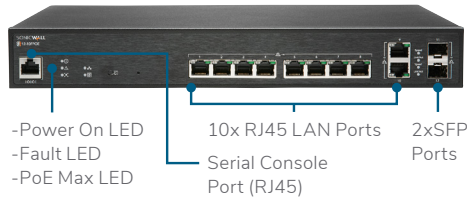| Model	Number of Gigabit Ethernet Ports	Number of SFP/SFP+ Ports	PoE Version
SWS12-8	8	2 SFP	Non-PoE
SWS12-8POE	8	2 SFP	PoE
SWS12-10FPOE	10	2 SFP	Full PoE
SWS14-24	24	4 SFP+	Non-PoE
SWS14-24FPOE	24	4 SFP+	Full PoE
SWS14-48	48	4 SFP+	Non-PoE
SWS14-48FPOE	48	4 SFP+	Full PoE

SWS12-8

Power LED
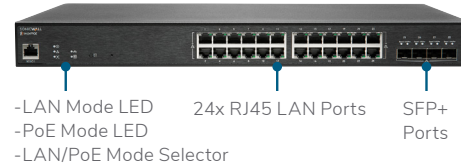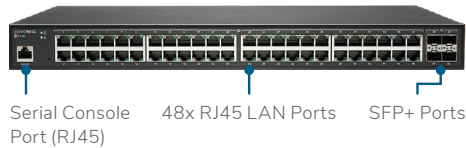Fault LED
8x RJ45 LAN Ports
2xSFP Ports

SWS12-8POE

-LAN Mode LED
-PoE Mode LED
-LAN/PoE Mode Selector
8x RJ45 LAN Ports
2xSFP Ports

SWS12-10FPOE

-Power On LED
-Fault LED
-PoE Max LED
Serial Console Port (RJ45)
10x RJ45 LAN Ports
2xSFP Ports

SWS14-24

Serial Console Port (RJ45)
24x RJ45 LAN Ports
SFP+ Ports

SWS14-24FPOE

-LAN Mode LED
-PoE Mode LED
-LAN/PoE Mode Selector
24x RJ45 LAN Ports
SFP+ Ports

SWS14-48

Serial Console Port (RJ45)
48x RJ45 LAN Ports
SFP+ Ports

SWS14-48FPOE

-LAN Mode LED
-PoE Mode LED
-LAN/PoE Mode Selector
48x RJ45 LAN Ports
SFP+ Ports

SONICWALL®

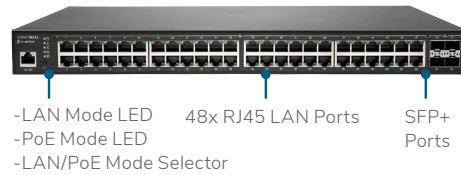## Specifications

Hardware	SWS12-8	SWS12-8POE	SWS12-10FPOE	SWS14-24	SWS14-24FPOE	SWS14-48	SWS14-48FPOE
1G Cu	8	8	10	24	24	48	48
1G SFP	2	2	2	-	-	-	-
10G SFP+	-	-	-	4	4	4	4
Total Interfaces	10	10	12	28	28	52	52
Memory (MB)	256	256	256	512	512	512	512
Flash (MB)	32	32	32	128	128	128	128
Packet Buf.	512K	512K	512K	1.5M	1.5M	2M	2M
Mac Table	8K	8K	8K	32K	32K	32K	32K
Switching (Gbps)	20	20	24	128	128	176	176
Fan	-	-	1	-	2	1	1
PoE Standard	-	802.3af	802.3af/at	-	802.3af/at	-	802.3af/at
PoE Power (Watts)	-	55	130	-	410	-	740
Power Supply	24W Power Adapter	65W Power Adapter	180W Fixed	25W Fixed	480W Fixed	60W Fixed	900W Fixed
Power Source	12VDC Power Adapter	54VDC Power Adapter	100-240VAC 50-60Hz	100-240VAC 50-60Hz	100-240VAC 50-60Hz	100-240VAC 50-60Hz	100-240VAC 50-60Hz
Power Consumption (Average / Maximum)	5.7W	73.3W	152.8W	36W	500.4W	54W	530W
Current	2.0A	1.2A	2.5A	0.7A	7.0A	1.5A	12.0A
Heat Dissipation	19.4	249.5	521.1	122.8	1706.4	184.2	1807.3
Min Power Cord Amperage*	10 Amp	10 Amp	10 Amp	10 Amp	10 Amp	10 Amp	12 Amp
Operating Temperature	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C	0 - 40°C
Storage Temperature	-40 - 70°C	-40 - 70°C	-40 - 70°C	-40 - 70°C	-40 - 70°C	-40 - 70°C	-40 - 70°C
Humidity	10-95% R.H	10-95% R.H	10-95% R.H	10-95% R.H	10-95% R.H	10-95% R.H	10-95% R.H
Dimensions (W x H x D)	240 x 105 x 27 mm	240 x 105 x 27 mm	330 x 230 x 44 mm	440 x 200 x 44 mm	440 x 260 x 44 mm	440 x 260 x 44 mm	440 x 310 x 44 mm
Weight	0.62 Kg	0.64 Kg	2.5 Kg	1.8 Kg	3.9 Kg	3.2 Kg	4.8 Kg
RJ-45 Serial Console Port	-	-	-	1	1	1	1
Form Factor	Desktop	Desktop	Desktop	1U	1U	1U	1U
MTBF @25°C in Hours	1,387,712	548,553	180,837	1,273,866	157,763	222,974	100,645
MTBF @25°C in Years	158	62	20	145	18	25	11
Power Consumption (Average / Maximum)	5.7W	73.3W	152.8W	36W	500.4W	54W	530W
Switching Capacity (Duplex) in Gbps	20	20	24	128	128	176	176
VLANs	4096	4096	4096	4096	4096	4096	4096
Regulatory Model	APL51-0E1	APL52-0E2	1RK43-0E3	1RK44-0E4	1RK45-0E5	1RK46-0E6	1RK47-0E7
Regulatory Approvals	FCC Class A, ICES Class A, CE (EMC Class A, LVD, RoHS), C-Tick, VCCI Class A, UL cUL, TUV/ GS, CB, Mexico UL DGN notification, WEEE, REACH, BSMI, KCC/MSIP, ANATEL						

* Please check with your local sales team or resellers to ensure you use the right power cord

SONICWALL®

Switch Series Features - Across All Models

Management and Configuration
- Switch Auto-Discovery
- Daisy chaining
- Software Upgrade of Switches (From Firewall)
- Centralized VLAN Configuration
- Static/Dynamic LAG
- STP
- LLDP/MED
- IGMP Snooping
- Static Routing

Security and Visibility
- 802.1x Authentication
- Syslog Collection
- DHCP Snooping
- Device Detection (In Firewall)
- IP/MAC ACL

Firewall Features Enforced on Management Firewall
- Firewall
- IPS, AV, Application Control, Botnet

Layer 2
- Jumbo Frames
- Auto-negotiation for Port Speed and Duplex
- MDI/MDIX Auto-crossover
- MAC Bridging/STP
- Rapid Spanning Tree Protocol (RSTP)
- Multiple Spanning Tree Protocol (MSTP)
- STP Root Guard
- STP BPDU Guard

- Edge Port / Port Fast
- VLAN Tagging
- Guest VLAN and Voice VLAN
- Link Aggregation with LACP
- Unicast/Multicast traffic balance over trunking port
- Spanning Tree Instances (MSTP/CST)
- Flow Control and Back-pressure
- 10Base-T
- 100Base-TX
- 1000Base-SX/LX
- 1000Base-T
- Gigabit Ethernet support
- 10 Gigabit Ethernet (available on 24 and 48-port models only)
- CSMA/CD Access Method and Physical Layer Specifications
- Storm Control
- MAC, IP, Ethertype-based VLANs
- Port Mirroring
- Static Routing
- DHCP Relay
- IGMP Snooping

Security and Visibility
- ACL
- Port Mirroring
- Admin Authentication Via RFC 2865 RADIUS
- IEEE 802.1x authentication Port-based
- IEEE 802.1x Authentication MAC-based

- IEEE 802.1x Guest and Fallback VLAN
- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- IEEE 802.1ab LLDP-MED
- DHCP-Snooping

Quality of Service
- IEEE 802.1p Based Priority Queuing
- IP TOS/DSCP Based Priority Queuing

Management
- IPv4 Management
- SSH
- HTTPS
- SNMP v1/v2c/v3
- Firewall Management, Standard CLI and Web GUI Interface
- Software download/upload: TFTP/Firewall/GUI
- Managed through Capture Security Center

Management
- RFC 2571 Architecture for Describing SNMP
- DHCP Client
- RADIUS
- Ethernet-like Interface MIB
- MIB-II
- IP Forwarding Table MIB
- SNMP Message Processing and Dispatching
- SNMP MIB II
- SNMPv1/v2c
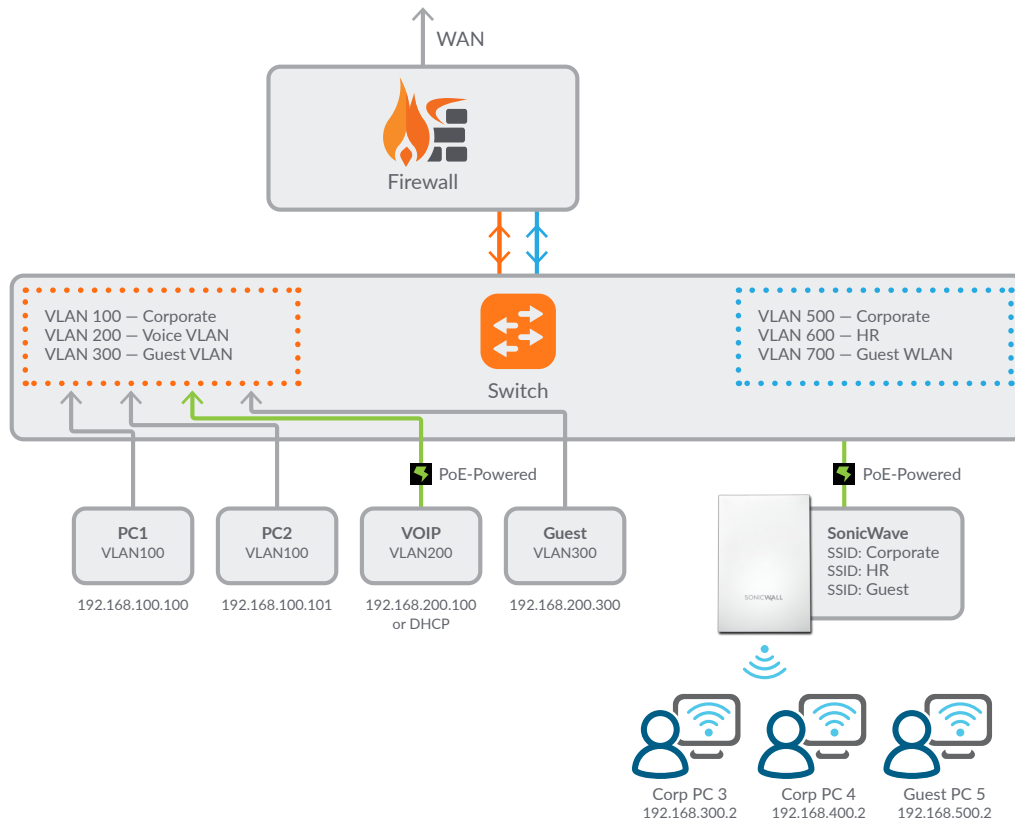
SKU

Product	SKU
SonicWall Switch SWS12-8	**02-SSC-2462**
24X7 Support for SonicWall Switch SWS12-8 1Year	02-SSC-4637
24X7 Support for SonicWall Switch SWS12-8 3Year	02-SSC-4724
24X7 Support for SonicWall Switch SWS12-8 5Year	02-SSC-4777
SonicWall Switch SWS12-8POE	**02-SSC-2463**
24X7 Support for SonicWall Switch SWS12-8POE 1Year	02-SSC-4638
24X7 Support for SonicWall Switch SWS12-8POE 3Year	02-SSC-4725
24X7 Support for SonicWall Switch SWS12-8POE 5Year	02-SSC-4778
SonicWall Switch SWS12-10FPOE	**02-SSC-2464**
24X7 Support for SonicWall Switch SWS12-10FPOE 1Year	02-SSC-4636
24X7 Support for SonicWall Switch SWS12-10FPOE 3Year	02-SSC-4723
24X7 Support for SonicWall Switch SWS12-10FPOE 5Year	02-SSC-4776
SonicWall Switch SWS14-24	**02-SSC-2467**
24X7 Support for SonicWall Switch SWS14-24 1Year	02-SSC-4639
24X7 Support for SonicWall Switch SWS14-24 3Year	02-SSC-4726
24X7 Support for SonicWall Switch SWS14-24 5Year	02-SSC-4779
SonicWall Switch SWS14-24FPOE	**02-SSC-2468**
24X7 Support for SonicWall Switch SWS14-24FPOE 1Year	02-SSC-4640
24X7 Support for SonicWall Switch SWS14-24FPOE 3Year	02-SSC-4727
24X7 Support for SonicWall Switch SWS14-24FPOE 5Year	02-SSC-4780
SonicWall Switch SWS14-48	**02-SSC-2465**
24X7 Support for SonicWall Switch SWS14-48 1Year	02-SSC-4641
24X7 Support for SonicWall Switch SWS14-48 3Year	02-SSC-4728
24X7 Support for SonicWall Switch SWS14-48 5Year	02-SSC-4781
SonicWall Switch SWS14-48FPOE	**02-SSC-2466**
24X7 Support for SonicWall Switch SWS14-48FPOE 1Year	02-SSC-4642
24X7 Support for SonicWall Switch SWS14-48FPOE 3Year	02-SSC-4729
24X7 Support for SonicWall Switch SWS14-48FPOE 5Year	02-SSC-4782

About SonicWall

SonicWall delivers Boundless Cybersecurity for the hyper-distributed era and a work reality where everyone is remote, mobile and unsecure. By knowing the unknown, providing real-time visibility and enabling breakthrough economics, SonicWall closes the cybersecurity business gap for enterprises, governments and SMBs worldwide. For more information, visit www.sonicwall.com.

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