SonicWall Switch
High-speed Network Switching for Business Connectivity

The SonicWall Switch delivers high-speed network switching while providing unparalleled performance and manageability through SonicWall firewalls or Wireless Network Manager. Its unified security posture, high port density, Power over Ethernet (PoE) options and gigabit or 10 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.

HIGHLIGHTS

- SD-Branch ready
- Firewall and WNM managed
- Zero-Touch Deployment
- Unified security posture
- Layer 2 switching
- 10 gigabit or 1 gigabit support
- 8/10/24/48-port models
- Various PoE options
- QoS support
- Segmentation and compliance
- Compact form factor
- Energy-efficient design

Find the right SonicWall solution for your small business and branch deployments:

sonicwall.com/switch
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 or Wireless Network Manager (WNM) for unified, single-pane-of-glass management. By tightly integrating with SonicWall firewalls and SonicWave Access Points, 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 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 a high performance 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.

**PARTNER ENABLED SERVICES**

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[sonicwall.com/PES](sonicwall.com/PES)
## SonicWall Switch

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Number of Gigabit Ethernet Ports</th>
<th>Number of SFP/SFP+ Ports</th>
<th>PoE Version</th>
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<tr>
<td>SWS12-8</td>
<td>8</td>
<td>2 SFP</td>
<td>Non-PoE</td>
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<tr>
<td>SWS12-8POE</td>
<td>8</td>
<td>2 SFP</td>
<td>802.3af</td>
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<td>SWS12-10FPOE</td>
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<td>802.3at</td>
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<td>SWS14-24</td>
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<td>4 SFP+</td>
<td>Non-PoE</td>
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<td>SWS14-48</td>
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<td>4 SFP+</td>
<td>802.3at</td>
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</table>

### Diagrams

**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
- 10x RJ45 LAN Ports
- Serial Console Port (RJ45)
- 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
## Specifications

<table>
<thead>
<tr>
<th>Hardware</th>
<th>SWS12-8</th>
<th>SWS12-10FPOE</th>
<th>SWS14-24</th>
<th>SWS14-24FPOE</th>
<th>SWS14-48</th>
<th>SWS14-48FPOE</th>
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<td>20</td>
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<td>Fan</td>
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<td>Power Supply</td>
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<td>65W</td>
<td>180W Fixed</td>
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<td>100-240VAC 50-60Hz</td>
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<td>Heat Dissipation (BTU)</td>
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<td>249.5</td>
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<td>-40 - 70ºC</td>
<td>-40 - 70ºC</td>
<td>-40 - 70ºC</td>
<td>-40 - 70ºC</td>
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<td>10-95% R.H</td>
<td>10-95% R.H</td>
<td>10-95% R.H</td>
<td>10-95% R.H</td>
<td>10-95% R.H</td>
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<td>Dimensions (W x H x D)</td>
<td>240 x 105 x 27mm</td>
<td>240 x 105 x 27mm</td>
<td>330 x 230 x 44mm</td>
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<td>Weight</td>
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<td>RJ-45 Serial Console Port</td>
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<td>1U</td>
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<td>MTBF @25ºC in Hours</td>
<td>1,387,712</td>
<td>548,553</td>
<td>180,837</td>
<td>1,273,866</td>
<td>157,763</td>
<td>222,974</td>
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<tr>
<td>MTBF @25ºC in Years</td>
<td>158</td>
<td>62</td>
<td>20</td>
<td>145</td>
<td>18</td>
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<td>Switching Capacity (Duplex) in Gbps</td>
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<td>20</td>
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<td>Regulatory Model</td>
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<td>1RK43-0E3</td>
<td>1RK44-0E4</td>
<td>1RK45-0E5</td>
<td>1RK46-0E6</td>
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<td>Regulatory Approvals</td>
<td>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</td>
<td></td>
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</tbody>
</table>

* Please check with your local sales team or resellers to ensure you use the right power cord
Management and Configuration
- Manage through Capture Security Center via Network Security Manager (NSM) or Wireless Network manager (WNM)*
- Switch Auto-Discovery
- Daisy chaining via firewalls
- Software Upgrade of Switches (From Firewall) or Wireless Network Manager
- Centralized VLAN Configuration
- Static/Dynamic LAG
- STP
- LLDP/MED
- Static Routing
- IPv4 Management
- SSH
- Firewall Management, Standard CLI and Web GUI Interface
- Software upgrade/downgrade via TFTP/Firewall/GUI
- IPv6 support
* Available with additional license

Security and Visibility
- 802.1x Authentication
- Syslog Collection
- IP/MAC ACL
- ACL
- IEEE 802.1x authentication Port-based
- IEEE 802.1x Guest and Fallback VLAN

Firewall Features Enforced on Management 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)
- VLAN Tagging
- Guest VLAN and Voice VLAN
- Unicast/Multicast traffic balance over trunking port
- 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

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

Datasheet-Switch-COG-US-4490

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sonicwall.com

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