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 make 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

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

**SWS12-8**
- Power LED
- Fault LED
- 8x RJ45 LAN Ports
- 2x SFP Ports

**SWS12-8POE**
- Power LED
- Fault LED
- 8x RJ45 LAN Ports
- 2x SFP Ports

**SWS12-10FPOE**
- Power On LED
- Fault LED
- PoE Max LED
- 10x RJ45 LAN Ports
- Serial Console Port (RJ45)
- 2x SFP Ports

**SWS14-24**
- Serial Console Port (RJ45)
- 24x RJ45 LAN Ports
- SFP+ Ports

**SWS14-24FPOE**
- Serial Console Port (RJ45)
- 24x RJ45 LAN Ports
- SFP+ Ports

**SWS14-48**
- Serial Console Port (RJ45)
- 48x RJ45 LAN Ports
- SFP+ Ports

**SWS14-48FPOE**
- Serial Console Port (RJ45)
- 48x RJ45 LAN Ports
- SFP+ Ports
## Specifications

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

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

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

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

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

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

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

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

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
### SKU

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

### 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](http://www.sonicwall.com).