



# The SonicWALL Secure Wireless Solution

SECURE WIRELESS

Fully Integrated Network Security for Wired and Wireless Networks

SonicWALL® makes wireless networking secure, simple and cost-effective with the first total security solution that integrates 802.11a/b/g wireless management and security enforcement into an enterprise-class firewall/VPN appliance. The innovative SonicWALL Secure Wireless Solution scales to virtually any network deployment, whether you're adding wireless into an existing network infrastructure or creating a new wireless network from the ground up.

Larger companies can take advantage of SonicWALL's trusted wireless security functionality by simply deploying SonicPoints™ at optimal locations throughout any facility. SonicPoints–IEEE 802.11a/b/g satellite access points–provide secure wireless LAN connectivity for users on the network. SonicPoints require no pre-configuration, as they are centrally configured, managed, and updated by any SonicWALL network security appliance.\*

The SonicWALL wireless solution is built around our award-winning line of network security appliances. The TZ 170 or PRO Series appliance functions as a secure wireless switch and controller that automatically detects and configures SonicPoints as they are added to the network while simultaneously enforcing security policies on all wired and wireless traffic. This eliminates the need for a separate wireless appliance at the network perimeter, providing airtight wireless mobility for employees, as well as secure Internet access for guests.

The business benefits of wireless are plentiful. By selecting a SonicWALL wireless platform, you can reap the rewards of a more productive and mobile workforce while protecting information assets with powerful, proven security.

## Features and Benefits

### Seamless inter-office wireless roaming

Maintain secure access to your complete wireless network from SonicPoint to SonicPoint without losing connectivity

### Comprehensive security

Provide total security enforcement, central management, and scalability for both your wired and wireless networks from a single security platform

### Impenetrable wireless security

Ensure the highest level of security by enforcing IPSec VPN connectivity to the WLAN for all wireless traffic

### Low TCO

Avoid implementing and separately managing an expensive wireless-specific solution that runs in parallel to your wired network

### Easily scalable

Extend your wireless coverage area by adding SonicPoints to the network as needed

### Granular communication control

Apply firewall rules to all wireless traffic and control all wireless client communication to any host–wired or wireless

### Rogue access point detection

Detect rogue access points on both the 2.4 and 5 GHz spectrums simultaneously

### Wireless Guest Services (WGS)

Easily provide wireless guest Internet access through the auto-generation of guest accounts without compromising the integrity of your network

### Standards-based

Support wireless security standards such as WEP and WPA, as well as AES encryption for future 802.11i support

- Seamless wireless roaming
- Comprehensive wireless and wired security
- Impenetrable wireless security
- Low TCO
- Easily scalable
- Granular communication control
- Rogue access point detection
- Wireless Guest Services
- Standards-based

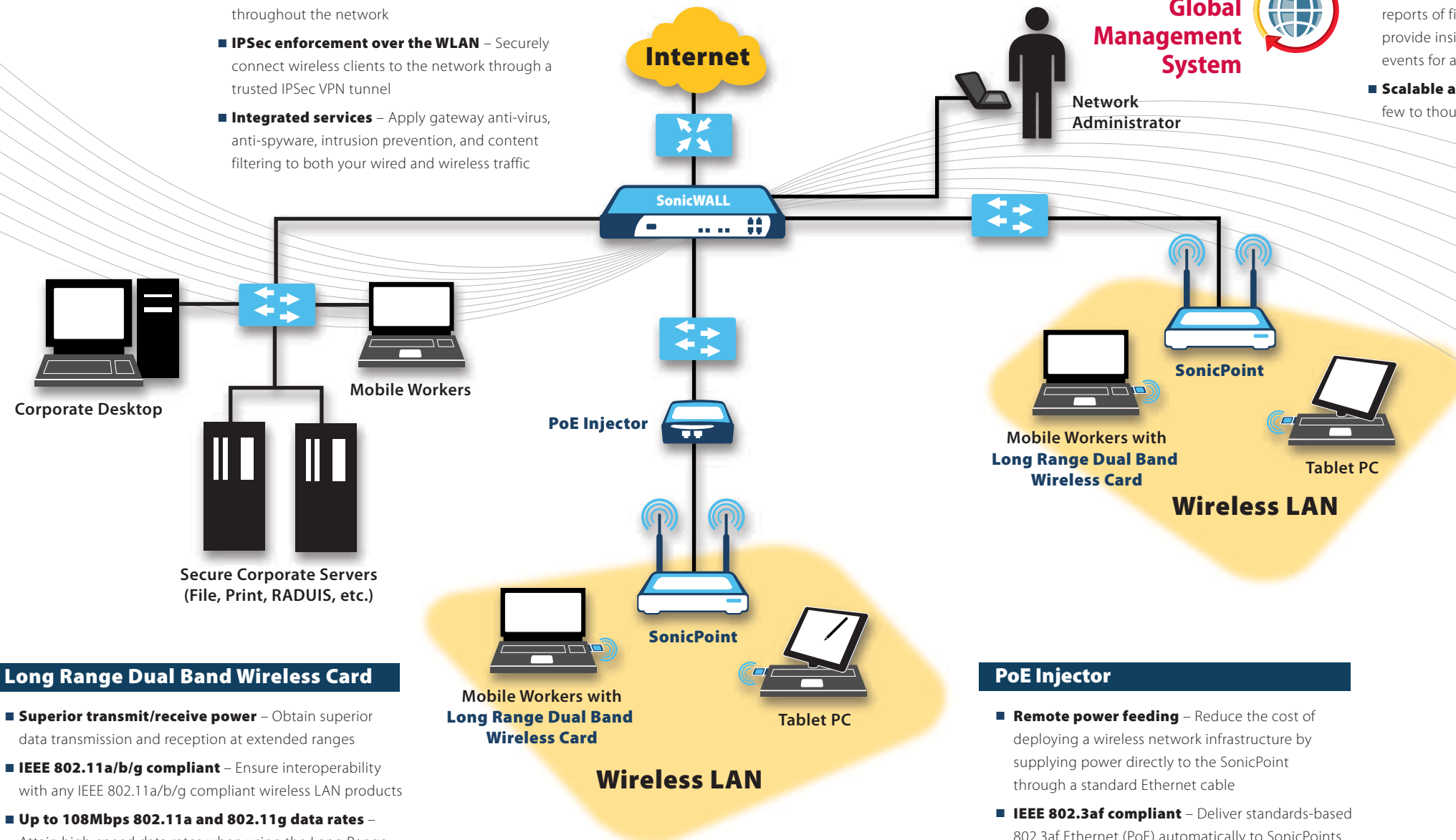
\*SonicWALL TZ 170 and PRO Series security appliances require SonicOS Enhanced 2.5 or greater for secure wireless LAN functionality



SonicWALL's  
 innovative  
 Secure  
 Wireless Solution  
 scales to virtually  
 any network  
 deployment

### SonicWALL Security Appliance

- **Central management** – Conveniently manage and configure all SonicPoints from the management interface of the governing SonicWALL security appliance
- **Centralized security policies** – Enforce corporate security policies for both the wired and wireless network from a single management interface
- **Advanced wireless LAN features** – Deploy advanced WLAN features such as wireless intrusion detection, wireless firewalling, secure wireless roaming, and Wireless Guest Services (WGS) throughout the network
- **IPSec enforcement over the WLAN** – Securely connect wireless clients to the network through a trusted IPSec VPN tunnel
- **Integrated services** – Apply gateway anti-virus, anti-spyware, intrusion prevention, and content filtering to both your wired and wireless traffic



### Global Management System (GMS)

- **Centralized global management** – Reduce administration time, costs and complexity associated with establishing and maintaining corporate policies for your geographically distributed wired and wireless networks
- **Managed VPN services** – Usually a complex and time-consuming process, VPN deployment and management are easy and intuitive with SonicWALL Global Management System
- **Centralized reporting** – Obtain graphical reports of firewall and network activities to provide insight into usage trends and security events for all managed SonicWALL appliances
- **Scalable architecture** – Manage anywhere from a few to thousands of distributed networks

### Long Range Dual Band Wireless Card

- **Superior transmit/receive power** – Obtain superior data transmission and reception at extended ranges
- **IEEE 802.11a/b/g compliant** – Ensure interoperability with any IEEE 802.11a/b/g compliant wireless LAN products
- **Up to 108Mbps 802.11a and 802.11g data rates** – Attain high-speed data rates when using the Long Range Dual Band Wireless Card with SonicWALL SonicPoints
- **IEEE 802.11d multi-country roaming support** – Automatically adjust settings such as transmit power and channel of operation to comply with country-specific regulatory requirements

### PoE Injector

- **Remote power feeding** – Reduce the cost of deploying a wireless network infrastructure by supplying power directly to the SonicPoint through a standard Ethernet cable
- **IEEE 802.3af compliant** – Deliver standards-based 802.3af Ethernet (PoE) automatically to SonicPoints or any 802.3af-compliant appliance
- **Ease-of-use** – Take advantage of the plug-and-play capability to enable rapid deployment of your wireless infrastructure
- **Advanced auto-sensing algorithm** – Utilize built-in intelligence to automatically determine and supply power to only those devices that can accept 802.3af power over the Ethernet connection

### SonicPoint

- **IEEE 802.11a/b/g compliant radios** – Built-in 802.11a and g radios provide interoperability with any standards-compliant 802.11a/b/g wireless clients
- **Automatically provisioned** – SonicPoints provide plug-and-play capabilities for automatic configuration and management from the SonicWALL gateway security appliance using pre-defined profiles
- **WPA support using TKIP or AES** – In keeping with industry standards, SonicPoints can also support WPA for added security to the wireless network
- **IEEE 802.11d multi-country roaming support** – Directs compliant wireless clients to automatically adjust settings such as transmit power and channel of operation to comply with country-specific regulatory requirements
- **Up to 108Mbps 802.11a and 802.11g data rates** – Handle heavy data payloads with ease by utilizing SonicWALL Long Range Dual Band Wireless Cards
- **IEEE 802.3af Power over Ethernet Injector (PoE)** – Add Power-over-Ethernet (PoE), allowing easy deployment—especially where electrical power is not readily accessible

# Specifications

## SonicPoint

### Hardware

|                     |  |
|---------------------|--|
| Dimensions          | 9.07(L) x 6.63(W) x 1.63(H) in<br>23.03(L) x 16.84(W) x 4.14(H) cm                                   |
| Weight              | 1.2 lbs<br>0.55 kg   |
| Power               | 12 V   |
| Antenna             | 2 dual band 5dBi omni-directional diversity antennas   |
| Status Indicators   | 6 LEDs: power, 802.11b/g, 802.11a, LAN (10/100/link)   |
| Wired Network Ports | 1 10/100 auto-sensing RJ-45 port for Ethernet and Power over Ethernet (PoE)<br>1 serial console port |
| Mechanical          | Wall or ceiling mount kit  |

### Recommended Managed Units (Requires SonicOS Enhanced 2.5 or greater)

| Security appliance | Per WLAN interface | Per appliance   |
|--------------------|--------------------|-----------------|
| TZ 170 Series      | 2 SonicPoints      | 2 SonicPoints   |
| PRO 1260           | 2 SonicPoints      | 2 SonicPoints   |
| PRO 2040           | 4 SonicPoints      | 8 SonicPoints   |
| PRO 3060           | 8 SonicPoints      | 16 SonicPoints  |
| PRO 4060           | 16 SonicPoints     | 32 SonicPoints  |
| PRO 5060           | 32 SonicPoints     | 128 SonicPoints |

### Standards

|            |   |
|------------|---|
| Compliance | IEEE 802.11a/b/g, 802.11d, 802.3af, WPA, TKIP, AES                      |
| Regulatory | FCC/ICES Class B, CE, C-Tick, VCCI Class B, BSMI Class B, MIC, NOM, CCC |
| Safety     | UL, cUL, TUV-GS, CB   |

### Environment

|                   |                         |
|-------------------|-------------------------|
| Temperature Range | 32° to 104°F, 0 to 40°C |
|-------------------|-------------------------|

### Radio Specifications

|                |   |
|----------------|---|
| Frequency Band |   |
| 802.11a:       | 5.15-5.25 GHz, 5.25-5.35 GHz, 5.725-5.825 GHz<br>5.25-5.35 GHz, 5.725-5.825 GHz (Taiwan)<br>5.725-5.825 GHz no Turbo (Korea)                                      |
| 802.11b/g:     | 2.412 – 2.462 GHz (US, Canada, Taiwan)<br>2.412 – 2.484 GHz (Japan)<br>2.412 – 2.472 GHz (Europe ETSI)<br>2.457 – 2.462 GHz (Spain)<br>2.457 – 2.472 GHz (France) |

### Operating Channel

|                  |  |
|------------------|--|
| 802.11a:         | US & Canada: 12 channels (FCC)<br>Europe: 11, Japan: 4, Singapore: 4, Taiwan: 4                                |
| 802.11b/g:       | US & Canada: 1-11 channels (FCC)<br>Europe: 1-13 (ETSI), Japan: 14, Spain: 2, France: 4                        |
| DFS:             | Dynamic frequency selection supported  |
| Transmit Output: | Power based on the regulatory domain specified by the system administrator<br>Transmit power control supported |

### TPC:

|                      |  |
|----------------------|--|
| Data Rates Supported |  |
| 802.11a:             | 6, 9, 12, 18, 24, 36, 48, 54, 108*Mbps per channel |
| 802.11b:             | 1, 2, 5.5, 11 Mbps per channel                     |
| 802.11g:             | 6, 9, 12, 18, 24, 36, 48, 54, 108*Mbps per channel |

### Modulation Technology

|          |  |
|----------|--|
| 802.11a: | Orthogonal Frequency Division Multiplexing (OFDM)<br>BPSK, QPSK, 1-QAM, 64-QAM       |
| 802.11b: | Direct Sequence Spread Spectrum (DSSS)<br>CCK, BPSK, QPSK                            |
| 802.11g: | Orthogonal Frequency Division Multiplexing (OFDM)<br>CCK, BPSK, QPSK, 16-QAM, 64-QAM |

### Security

|                 |   |
|-----------------|---|
| Data Encryption | WPA, 64/128/152-bit WEP, TKIP, AES, 802.11i ready |
|-----------------|---|

## SonicWALL Value-added Security Services

SonicWALL Internet security appliances integrate seamlessly with an expanding array of value-added security services to provide a comprehensive security solution. Gateway anti-virus, anti-spyware, intrusion prevention, desktop-enforced anti-virus and content filtering can be enforced over both the wired and wireless LANs.

For more information on SonicWALL security services, including gateway anti-virus, anti-spyware, intrusion prevention, desktop-enforced anti-virus and content filtering, please visit our Web site at <http://www.sonicwall.com/products/vpnsoft.html>

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## PoE Injector

### Hardware

|                       |  |
|-----------------------|--|
| Dimensions            | 1.75(L) x 4.17(W) x 5.50(H) in<br>4.4 x 10.6 x 14.0 cm                             |
| Weight                | 1.0 lbs<br>450 g   |
| Power Over LAN Output | 3.3 V to 5 V   |
| Connectors            | Shielded RJ-45, EIA 568A and 568B  |
| Number of Ports       | 2: (1) data in, (1) data and power out   |
| Status Indicators     | System indicator, AC power (green)<br>User indicator, channel power active (green) |
| Data Rates            | 10/100Mbps   |

### Power Over LAN Output

|                         |                  |
|-------------------------|------------------|
| Pin Assignment/Polarity | 4/5 (+), 7/8 (-) |
| Output Power            | -48 VDC          |

### Voltage

|                 |                |
|-----------------|----------------|
| User Port Power | 15.4 W minimum |
|-----------------|----------------|

### Input Power Requirements

|                  |               |
|------------------|---------------|
| AC Input Voltage | 90 to 264 VAC |
|------------------|---------------|

### Standards

|                                       |   |
|---------------------------------------|---|
| Regulatory                            | CE  |
| Electromagnetic Emission and Immunity | FCC Part 15, Class B, EN55022 Class B (emissions) |
| Safety                                | UL 1950, CSA C22.2 No. 950                        |

### Environment

|                   |                         |
|-------------------|-------------------------|
| Temperature Range | 32° to 104°F, 0 to 40°C |
| Thermal Rating    | 127.5 BTU (-48 VDC)     |

## Long Range Dual Band Wireless Card

### Hardware

|                   |   |
|-------------------|---|
| Dimensions        | 4.65(L) x 2.13(W) x .30(H) in<br>118.0(L) x 54.1(W) x 7.6(H) mm |
| Weight            | 1.4 oz<br>40 g  |
| Power             | 3.3 V   |
| Antenna           | Integrated, with built-in diversity                             |
| Status Indicators | RF link activity  |
| System Interface  | 32-bit CardBus PC card standard , V7.1 Type II                  |

### Network

|         |                           |
|---------|---------------------------|
| Drivers | Windows® 98SE/ME/2000/XP™ |
|---------|---------------------------|

### Standards

|            |                                 |
|------------|---------------------------------|
| Regulatory | FCC Part 15/UL, ETSI 300/328/CE |
|------------|---------------------------------|

### Environment

|                   |                         |
|-------------------|-------------------------|
| Temperature Range | 32° to 104°F, 0 to 40°C |
|-------------------|-------------------------|

### Security

|                 |   |
|-----------------|---|
| Data Encryption | WPA, 64/128/152-bit WEP, TKIP, AES, 802.11i ready |
|-----------------|---|

### Radio Specifications

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| Frequency Band |   |
| 802.11a:       | 5.15-5.25 GHz, 5.25-5.35 GHz, 5.725-5.825 GHz   |
| 802.11b/g:     | 2.412 – 2.462 GHz (US), 2.412 – 2.484 GHz (Japan),<br>2.412 – 2.472 GHz (Europe ETSI),<br>2.457 – 2.462 GHz (Spain), 2.457 – 2.472 GHz (France) |

### Transmit Output

|          |              |
|----------|--------------|
| 802.11a: | Up to 18 dBm |
| 802.11g: | Up to 20 dBm |
| 802.11b: | Up to 20 dBm |

### Data Rates Supported

|          |  |
|----------|--|
| 802.11a: | 6, 9, 12, 18, 24, 36, 48, 54, 72, 96 & 108Mbps per channel |
| 802.11b: | 1, 2, 5.5, 11Mbps per channel                              |
| 802.11g: | 6, 9, 12, 18, 24, 36, 48, 54, 72, 96 & 108Mbps per channel |

### Modulation Technology

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|------------|--|
| 802.11a/g: | Orthogonal Frequency Division Multiplexing (OFDM)<br>BPSK, QPSK, 1-QAM, 64-QAM |
| 802.11b:   | Direct Sequence Spread Spectrum (DSSS)<br>CCK, BPSK, QPSK                      |

\*When used with SonicWALL Long Range Dual Band Wireless Card

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**SonicPoint**  
SonicPoint (N. America)  
01-SSC-5522  
SonicPoint (International)  
01-SSC-5523  
SonicPoint (Japan)  
01-SSC-5524



**PoE Injector**  
SonicWALL PoE Injector (N. America)  
01-SSC-5531  
SonicWALL PoE Injector  
(International including Japan)  
01-SSC-5532



**Long Range Dual Band Wireless Card**  
Long Range Dual Band Wireless Card  
(N. America)  
01-SSC-5515  
Long Range Dual Band Wireless Card  
(International)  
01-SSC-5514