

Frequently Asked Questions

WIRELESS

Distributed Wireless Solution

SonicWALL makes wireless networking secure, simple and cost-effective with the first total security solution that integrates IEEE 802.11a/b/g wireless management and security enforcement capabilities into an enterprise class firewall/VPN gateway. SonicWALL's innovative Distributed 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.

Distributed Wireless Solution Components

Wireless LAN Controller

SonicWALL TZ 170 or PRO series Internet security appliance running SonicOS Enhanced 2.5 or greater. In addition to being an integrated firewall and VPN security appliance, the security 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.

Solution Enablers

SonicWALL SonicPoint – An IEEE 802.11a/b/g satellite access point that delivers secure, seamless, and scalable wireless access for network users.

SonicWALL Power over Ethernet (PoE) Injector (Optional) – An IEEE 802.3af compliant power injector that “injects” power to a SonicPoint through a standard Ethernet cable.

SonicWALL Long Range Dual Band Wireless Card (Optional) – An 802.11a/b/g wireless PC card that delivers superior throughput, range, and impenetrable wireless IPSec security. Supports up to 108Mbps 802.11a/g modes with SonicPoints

SonicWALL's Distributed Wireless Solution provides:

Comprehensive Security. SonicWALL's Distributed Wireless Solution provides total security enforcement for both the wired and wireless networks through a single security platform.

Low TCO. SonicWALL's Distributed Wireless Solution removes the need to implement and separately manage an expensive wireless-specific solution running in parallel to your wired network.

Scalable Coverage. SonicWALL's Distributed Wireless Solution extends wireless coverage area by adding SonicPoints to the network as needed.

Auto-provisioning. SonicWALL's Distributed Wireless Solution includes an auto-provisioning mechanism, enabling automatic configuration of all SonicPoints on the network by the governing SonicWALL security appliance.

Ease of Management. SonicWALL's Distributed Wireless Solution provides easy central management of all SonicPoints from the interface of the governing SonicWALL security appliance.



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Granular Management Control. SonicWALL's Distributed Wireless Solution allows network administrators to apply firewall rules to all wireless and wired traffic.

Seamless Inter-office Mobility. SonicWALL's Distributed Wireless Solution ensures secure network access while roaming from one SonicPoint to another.

Dual Band Wireless Monitoring. SonicWALL's Distributed Wireless Solution scans for and detects rogue access points on both the 2.4 and 5 GHz spectrums.

Convenient Guest Internet Access. SonicWALL's Distributed Wireless Solution provides wireless guest Internet access through the auto-generation of guest accounts without compromising the integrity of your network.

Impenetrable Wireless Security. SonicWALL's Distributed Wireless Solution guarantees the highest level of security by enforcing IPsec VPN connectivity to the WLAN for all wireless traffic.

Standards-based Solution. SonicWALL's Distributed Wireless Solution supports current and future wireless security standards such as WPA and 802.11i without needing to upgrade hardware.

The SonicWALL Distributed Wireless Solution product and SKU information are as follows:

SKU Description

01-SSC-5522 SonicWALL SonicPoint (US/Canada)

01-SSC-5531 SonicWALL Power over Ethernet (PoE) Injector (US/Canada)

01-SSC-5515 SonicWALL Long Range Dual Band Wireless Card (US/Canada)

To purchase a SonicWALL SonicPoint, PoE Injector or Long Range Dual Band Wireless Card, contact a SonicWALL certified reseller. To find a reseller in your area, please visit <http://www.sonicwall.com/howtobuy/index.html> or call SonicWALL at +1 888.557.6642 or +1 408.745.9600.

Distributed Wireless Solution FAQs

Q: What are the different devices that make up the SonicWALL Distributed Wireless Solution?

A: SonicWALL's Distributed Wireless Solution is comprised of a TZ 170 or PRO series appliance running SonicOS Enhanced 2.5 or greater which acts as a wireless LAN controller for SonicPoints. SonicWALL also provides optional PoE Injectors and Long Range Dual Band Wireless Cards to complete the solution.

Q: Do I need a PoE Injector to power my SonicPoint?

A: No, a PoE Injector is not required to serve as the SonicPoint's power source. The PoE Injector can, however, be used to supply power directly to a SonicPoint using a standard Ethernet cable, allowing easy deployment where electrical power is not readily accessible. In addition, a 12-volt DC power supply is included with every SonicPoint to provide power directly to the SonicPoint.

Q: What is the difference between the new Long Range Dual Band Wireless Card and SonicWALL's Long Range Wireless Card?

A: There are several key differences between SonicWALL's Long Range Wireless Card and Long Range Dual Band Wireless Card. They include:

- The Long Range Dual Band Wireless Card is IEEE 802.11a/b/g compliant whereas the Long Range Wireless Card is IEEE 802.11b compliant. This ensures the Long Range Dual Band Wireless Card is interoperable with other 802.11a/b/g compliant wireless LAN products and also allows users to attain higher data throughput rates.
- As its name implies, the Long Range Dual Band Wireless Card is a dual band card operating in both the 2.4 and 5 GHz radio bands whereas the Long Range Wireless Card operates in the 2.4 GHz band only.
- The Long Range Dual Band Wireless Card supports the WPA and WEP standards whereas the Long Range Wireless Card supports WEP only.
- The Long Range Dual Band Wireless Card is available in a 100mW version whereas the Long Range Wireless Card is available in 100mW and 200mW versions (based on geography).



- The Long Range Dual Band Wireless Card includes additional features not available with the Long Range Wireless Card such as IEEE 802.11d multi-country roaming support which automatically adjusts settings to comply with country -specific regulatory requirements.

Q: [Can I achieve faster wireless speeds if I use the SonicWALL Long Range Dual Band Wireless Card and SonicPoint together?](#)

A: Yes. Both the SonicPoint and the Long Range Dual Band Wireless Card support 108 Mbps 802.11a and 802.11g modes. When used in combination as part of an all-SonicWALL Distributed Wireless Solution, they allow wireless users to take advantage of the 108Mbps data rate.

Q: [Can I use SonicPoints to do secure wireless bridging?](#)

A: No, SonicOS Enhanced does not support bridging on the SonicPoints.

Q: [How many SonicPoints can the TZ 170 and PRO Series appliances manage?](#)

A: SonicWALL recommends the following guidelines for managing SonicPoints with TZ 170 and PRO series appliances:

Managing Security Appliance

TZ 170 Series
PRO 2040
PRO 3060
PRO 4060
PRO 5060

Recommended # of SonicPoints per Appliance

2 SonicPoints
4 SonicPoints
8 SonicPoints
32 SonicPoints
128 SonicPoints

Q: [Can I connect a SonicPoint to my SonicWALL SOHO TZW and create a distributed wireless network?](#)

A: No. While SonicWALL's SOHO TZW is the ideal solution for adding secure wireless into a new or existing small office network infrastructure, it is not designed to interoperate with SonicPoints as part of a large office wireless network deployment. SonicPoints can be added to any TZ 170 and PRO 2040/3060/4060/5060 appliances running SonicOS Enhanced 2.5 or greater.

Q: [Can I manage my distributed wireless network remotely using SonicWALL Global Management System?](#)

A: Yes. Network administrators can use SonicWALL's award-winning Global Management System (version 2.8 or greater) to manage both the TZ 170 or PRO series appliance as well as all connected SonicPoints. No management is necessary for PoE Injectors or Long Range Dual Band Wireless Card.

