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WHY YOU SHOULD CHOOSE SONICWAVE WIRELESS

Top 9 Reasons Why SonicWave is the Best Wireless Solution

Top 9 Reasons Why

Give your WLAN users a superior and secure wireless experience. The SonicWall SonicWave Series of high-speed wireless access points delivers the performance, range and reliability of 802.11ac Wave 2 technology. Ideal for indoor and outdoor environments, the SonicWave Series tightly integrates with SonicWall next-generation firewalls to create a wireless network security solution that ensures wireless traffic is secured from network threats.

Below are the top reasons why you should choose SonicWave wireless:

1. 802.11ac Wave 2 Performance
2. Complete Network Suite
3. Zero-Touch Deployment
4. Single-Pane-Of-Glass Management and Visibility
5. Dedicated Third Radio for Security Scanning
6. Able to Withstand Rugged Conditions
7. Rich RF Features and Services
8. Wireless Network Planning & Design Tools
9. Low TCO

Wireless Threats & Forecasts

THREATS IDENTIFIED BY SONICWALL IN 2017

- Detected over 900 file-based attacks per customer hidden by SSL/TLS encryption
- Blocked 62,000 IoT Reaper hits each day
- 101.2% increase in new types of ransomware
- 9.32 billion malware attacks and 184 million ransomware attacks

FORECASTS

- ABI forecasts more than 20 billion Wi-Fi chipsets are expected to ship between 2016 and 2021[1]
- Gartner forecasts, by 2020, IoT technology will be in 95% of electronics for new product designs[2]
- Gartner forecasts, through 2022, half of all security budgets for IoT will go to fault remediation, recalls and safety failures rather than protection[2]

With the growing number of wireless devices and threats, it is essential to have a comprehensive wireless network security solution which can provide automated real-time threat detection and prevention.

Further reading: 1 SOURCE 2 SOURCE

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The SonicWave Solution

AN EXCEPTIONALLY SECURE WIRELESS EXPERIENCE

SonicWall SonicWave 400 series Access Points (APs) work together with SonicWall firewalls to deliver exceptional wireless speed, while securing your network and data against encrypted attacks.

- Enterprise-grade quality and reliability
- Indoor/outdoor options
- 802.11ac Wave 2 support
- 4x4 MU-MIMO
- 2.5 GbE port for multi-gigabit wireless performance
- Deep packet inspection of inbound and outbound wireless traffic
- Three radios, including dedicated security radio
- Wireless signal analysis tools
- Wi-Fi Alliance and European Union's Radio Equipment Directive (RED) certified for interoperability and compliance respectively
- Plenum-rated for safe installations

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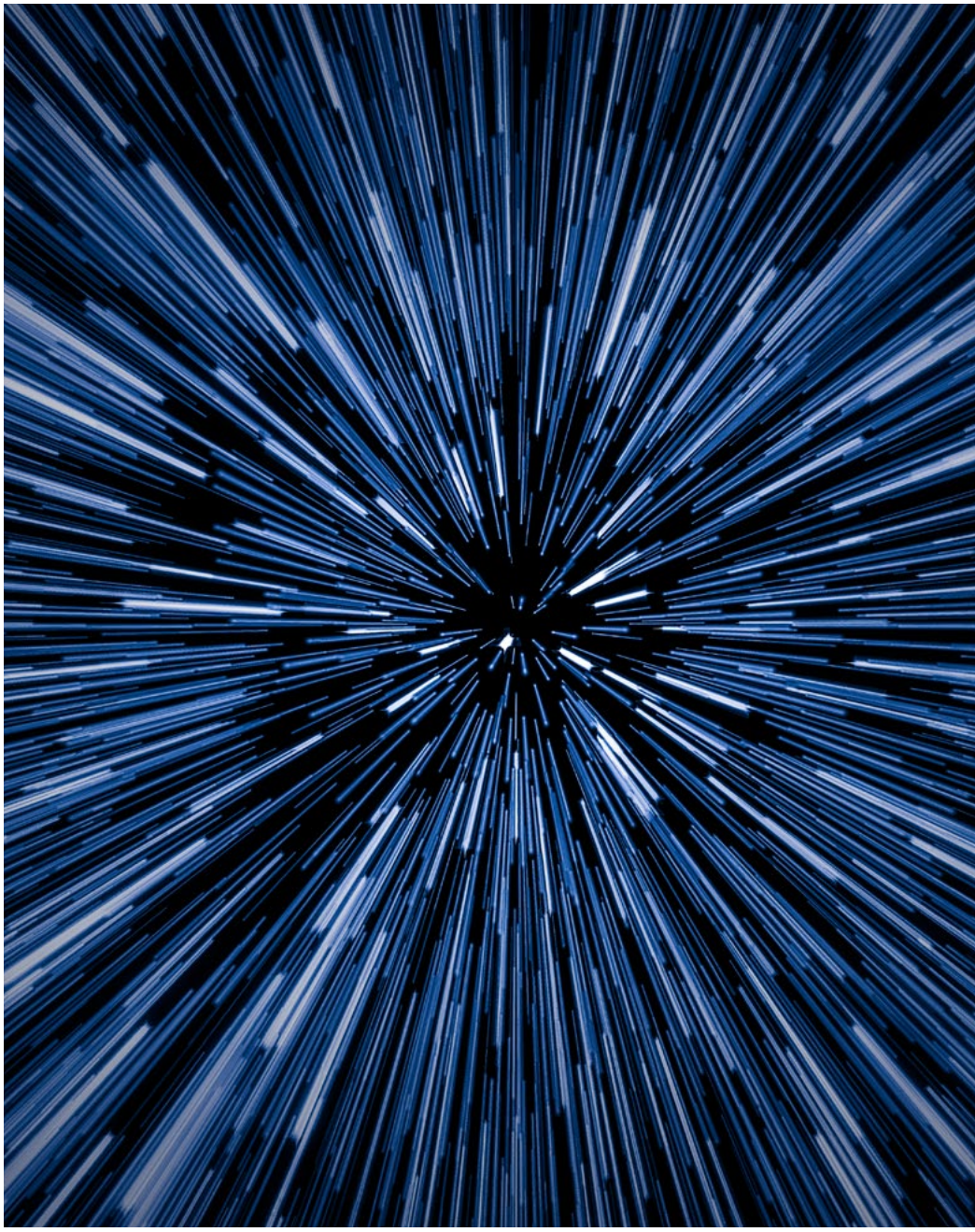
1
802.11ac Wave 2 Performance

BUILT TO MEET THE NEEDS OF TODAY'S DATA-HUNGRY NETWORKS

The SonicWave 400 series supports the 802.11ac Wave 2 wireless Standard, which includes multi-user, multiple-input, multiple-output (MU-MIMO) technology. MU-MIMO enables simultaneous transmission from the AP to multiple wireless clients, resulting in exceptionally fast wireless performance.

- SonicWave reduces the airtime required to transmit data, which decreases latency, enhancing user experience
- SonicWave APs can transmit up to four devices at a time using MU-MIMO technology
- Increasing data demands drives higher throughput requirements, making multi-gigabit Ethernet essential
- Even though 6.9 Gbps is the max theoretical speed expected from Wave 2 standard, 3.5 Gbps is the max theoretical data rates that can be attained with a 4SS AP transmitting to a 4SS client on a 160 MHz channel



2
Complete Network Suite

INNOVATIVE PATENDED SECURITY SOLUTIONS

SonicWall provides a complete network security suite via any network (wired, wireless, mobile, cloud), traffic type (encrypted, unencrypted), forms (email, browser, apps, files) and devices (PC, tablet, smartphone, IoT).

- Protection against advanced threats such as ransomware, zero-day, malvertizing, encrypted malware, DDoS, phishing
- SonicWall firewalls scan all wireless traffic coming in and going out of the network using patented Reassembly-Free Deep Packet Inspection (RFDPI), which scans against multiple application types and protocols to ensure the network is protected from internal and external encrypted attacks
- Security and control capabilities such as content filtering, application control and intelligence, and Capture Advanced Threat Protection provide added layers of protection and granular security policy enforcement
- The Wireless Network Security solution also includes additional security features such as wireless intrusion detection and prevention, virtual AP segmentation, wireless guest services, RF monitoring and wireless packet capture. SonicWall Capture, DPI-SSL and RTDMI ensure automatic real-time threat detection and protection

3
Zero-Touch Deployment

FULLY AUTOMATED FOR EASY DEPLOYMENT

The Zero-Touch feature allows a user to manage their firewalls with "zero" touch when setting it up for management. When the unit is plugged in for power and wired for internet, the SonicWall firewall, Global Management System (GMS) and other components in the SonicWall eco-system will function together to bring the unit under management.

- Without Zero Touch, an administrator would need to provide each device with a static IP, supply a correct GMS IP/Hostname destination for heartbeat syslogs, manually register the unit at MySonicWall.com, and then add the unit into GMS after logging in
- Zero-Touch automates every step of the process described above
- APs are auto-detected and auto-provisioned immediately after the AP is plugged into the network

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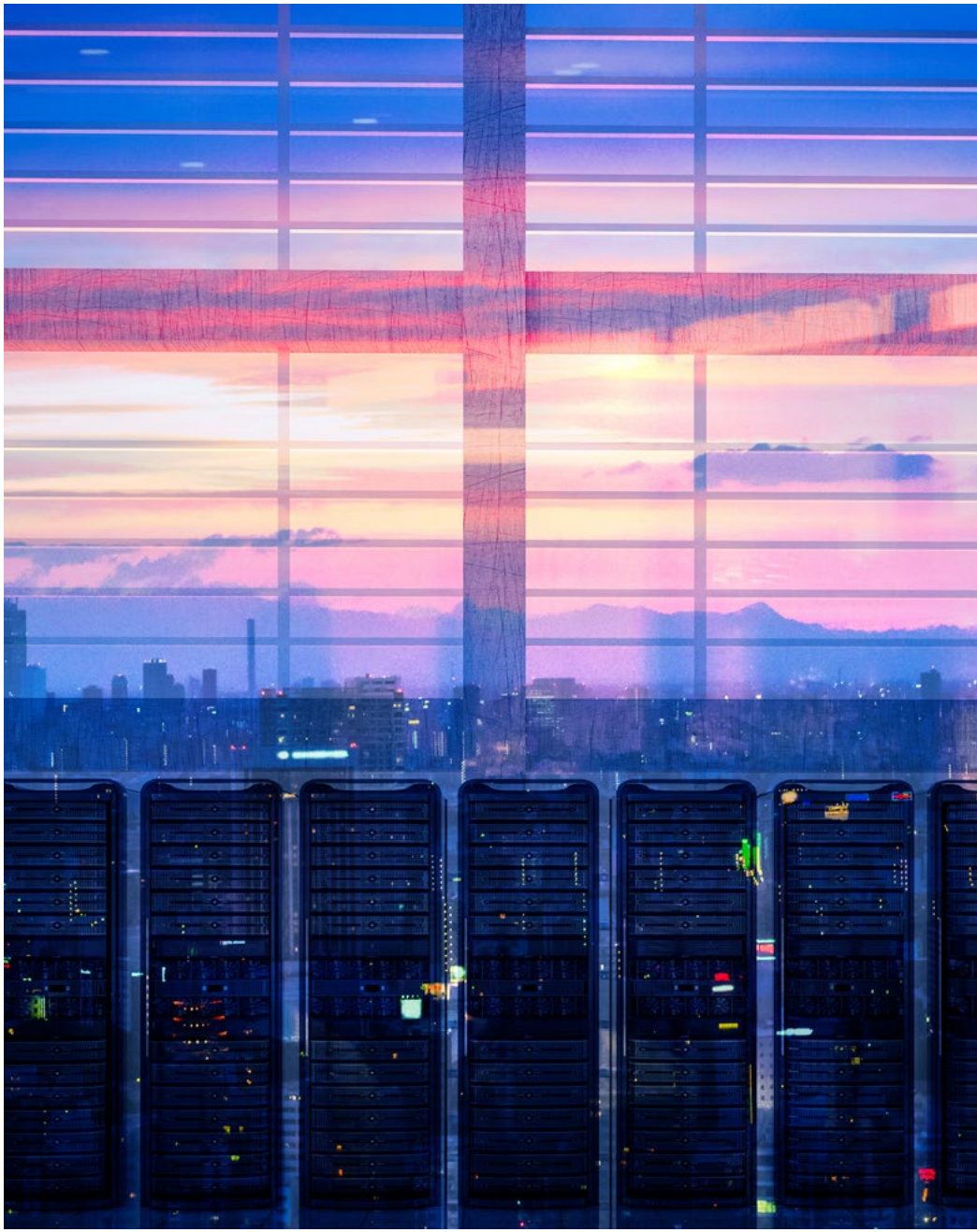
4
Single-Pane-Of-Glass Management and Visibility

COMPLETE VISIBILITY FROM A SINGLE UI

Management and monitoring for wireless and security are handled centrally through the firewall or through the SonicWall Capture Cloud Platform, providing network administrators with a single pane of glass from which to manage all aspects of the network.

The Capture Cloud Platform integrates SonicWall's best-of-breed security solutions to provide advanced threat detection and prevention, management, reporting and analytics.



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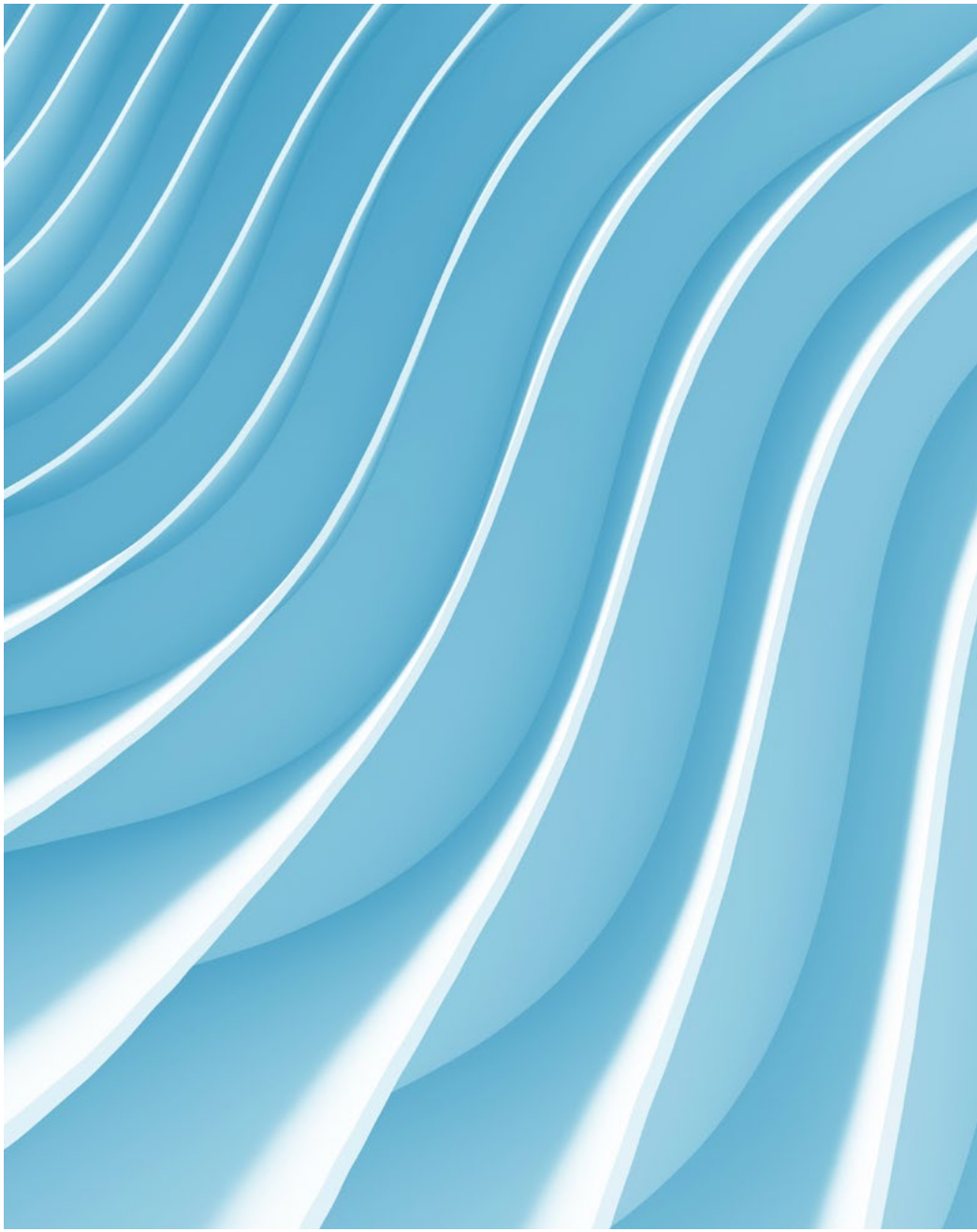
5
Dedicated Third Radio for Security Scanning

WHY THREE IS BETTER THAN TWO

Each SonicWave 400 series AP includes three radios. One operates in the less-crowded 5 GHz frequency band, reducing interference from other devices, while strengthening signal reliability. Another operates in the 2.4 GHz band to support legacy 802.11b/g/n clients. The third radio is dedicated to security, and performs rogue AP detection, passive scanning and packet capturing.



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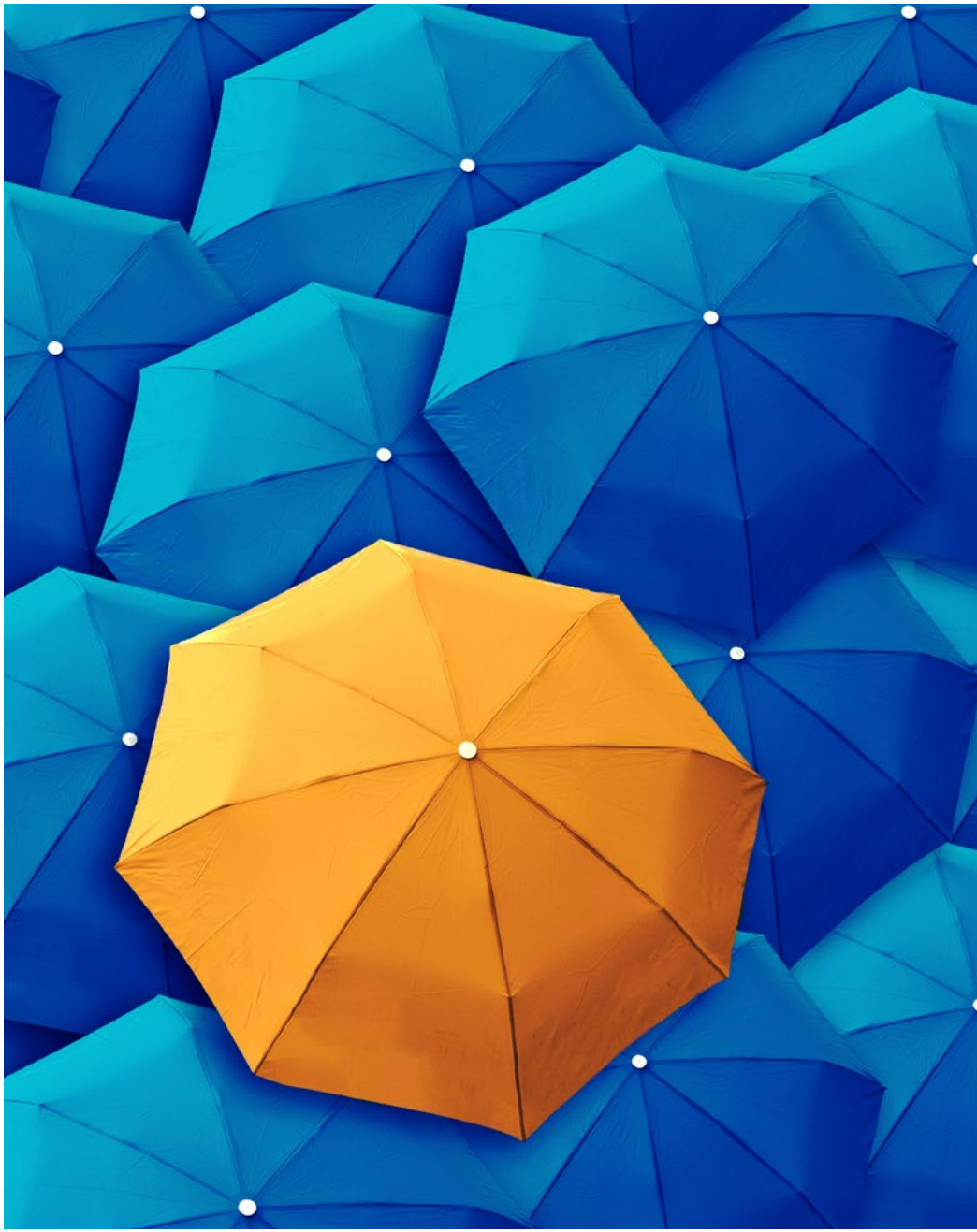
6
Able to Withstand Rugged Conditions

BUILD FOR OUTDOORS

SonicWave 400 series outdoor APs (432o) are built to withstand rough outdoor conditions. They are IP67 rated.

SonicWave 432o APs have the highest Ingress Protection (IP) rating for protection against dust, and protection against immersion in water up to a depth of 1 meter (IP 67).



7
Rich RF Features and Services

PACKED WITH FEATURES TO IMPROVE USER EXPERIENCE

SonicWave's advanced radio frequency (RF) features include band steering, beamforming, airtime fairness and SonicWall FairNet wireless bandwidth allocation.

- Band steering is a radio management technique to improve capacity, throughput, and the experience for users of crowded wireless networks
- Beamforming is a radio wave technology which directs the signal to the client
- Air Time Fairness ensures equal airtime to all clients, making sure that the slower clients don't hold back the faster ones
- FairNet ensures that equal amount of bandwidth to each wireless client in order to prevent disproportionate bandwidth consumption by a single user
- Wireless Device Fingerprinting and Reporting helps gather wireless client details such as hostname, device type and more
- Wireless Forensic Packet Capturing provides in-depth wireless troubleshooting, which you can use to gather wireless data from a client site and output the captured information into a readable file format
- WDS Mode minimizes cabling infrastructure by standardizing wireless connectivity of multiple APs
- Other RF services include 3G/4G/LTE MiFi Extender, wireless guest, lightweight hotspot messaging, social Wi-Fi, captive portal, virtual AP segmentation, multi-radius authentication

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8
Wireless Network Planning & Design Tools

EASY TOOLS FOR PLANNING, DESIGNING, MONITORING AND TROUBLESHOOTING YOUR WIRELESS NETWORK

Planning and designing your wireless network is essential to ensure seamless connectivity and exceptional user experience. Performing a site survey ensures that your WLAN network meets all the intended mobility, coverage and capacity needs.

Advanced site survey tools, such as SonicWall's Wi-Fi Planner, can predict the coverage automatically. This tool also lets you choose the coverage zones, identifies what type of obstacles and areas are present in your location, and much more. Furthermore, you can use tools such as Floor Plan Management and Topology View to monitor and troubleshoot your WLAN network after the APs are deployed.

The Floor Plan Management Tool allows for a more visual approach to managing, tracking physical location and monitoring the real-time status of APs.

You can also manage APs with the Topology View tool to monitor real- time status and configuration options. Topology View shows the logical relationship among all WLAN zone devices, and provides a way to manage devices directly.

9
Low TCO

BEST BANG FOR YOUR BUCK

SonicWall eliminates unnecessary controller costs, as the wireless controller is integrated into the firewall. This greatly simplifies AP deployment and setup, reducing total cost of ownership (TCO). Integrated into every SonicWall firewall is a wireless controller that auto-detects and auto-provisions SonicWave APs across the network. Wireless signal analysis tools provide a visual map to optimize site-based AP placement. SonicWave APs reduce costs by supporting green APs, which enables both radios to enter sleep mode for power saving when no clients are actively connected. The AP will exit sleep mode once a client attempts to associate with it.

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Hear Directly from Our Customers

DON'T JUST TAKE OUR WORD FOR IT

"SonicWave access points blew me away," says Valois. "They are very high quality, the feature set is very rich, and they deliver on speed as well. With Wave 2 support and 2.5 Gb ports, we can provide larger business sites and campuses with better streaming and bandwidth for hundreds of wireless devices."

DOMINIC VALOIS
SECURITY SPECIALIST
SPENCOMP SOLUTIONS

"The SonicWave access points give us throughput that matches our wired network. Whether someone is on a handheld device or directly wired to the network, the service is indistinguishable. Signal reception is consistently strong over a one-and-a-half-acre site."

DR. MICHAEL BREEN
DEAN OF ARTS
MARY IMMACULATE COLLEGE

Key Takeaway

COMPREHENSIVE AWARD-WINNING SOLUTIONS AT YOUR FINGERTIP

Amidst rising wireless threats, SonicWall SonicWave APs provide best-in-class solution to protect your wireless network holistically. The Capture Cloud Platform, with features like RTDMI, DPI-SSL, Capture ATP, protects endpoints and end users whether they are connected via wired, wireless, mobile or the cloud, without sacrificing performance.

Rich feature sets, along with support for latest technology, ensures that you benefit from best-in-breed solutions, and increased reliability.

Get rid of the added cost of controllers, and lower your TCO.

SonicWall solutions are aimed at providing automated real-time threat detection and prevention.


To Learn More, Visit:
SONICWALL.COM/SONICWAVE

About Us

SonicWall has been fighting the cyber-criminal industry for over 25 years, defending small, medium size businesses and enterprises worldwide. Our combination of products and partners has enabled a real-time cyber defense solution tuned to the specific needs of the more than 500,000 businesses in over 150 countries, so you can do more business with less fear.

If you have any questions regarding your potential use of this material, contact:

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Refer to our website for additional information.
www.sonicwall.com

Ebook-SonicWaveWireless-US-KJ-MKTG2409

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