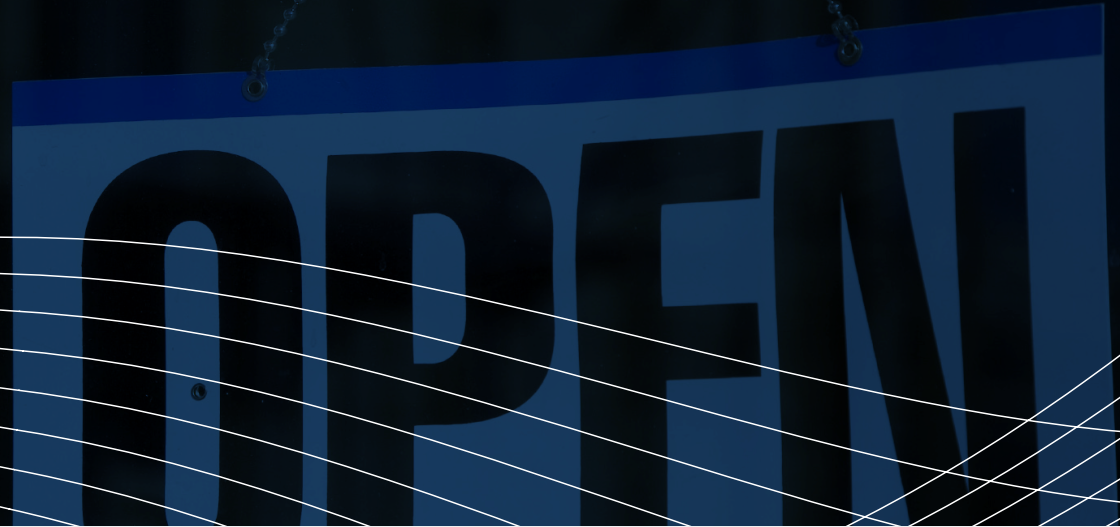


# Securing the Small Business Network



OPEN

Keeping up with the changing threat landscape



**SONICWALL**®

DYNAMIC SECURITY FOR THE GLOBAL NETWORK™

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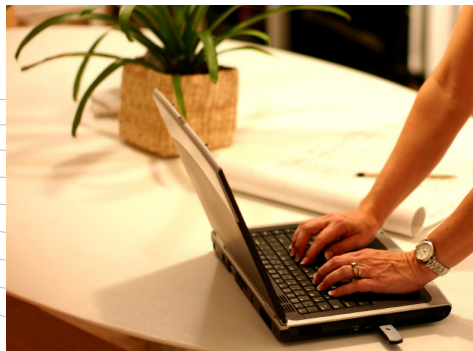
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# Securing the Small Business Network

Increasingly, threats to small business networks have become as sophisticated as those attacking the largest enterprise. However, small businesses do not have the IT staff resources or budgets of larger organizations.



***Small business network administrators need a workable plan to provide comprehensive security against today's sophisticated threats without spending too much time or money.***



Modern advances in security technology offer small business network administrators the opportunity to deliver enterprise-class protection within small business budgets.

# UTM: Keeping up with the Changing Threat Landscape

## **Challenge: Outdated Security**

Today's emerging threats are blended attacks that use different techniques to bypass the outdated stateful packet inspection technology offered by other vendors.



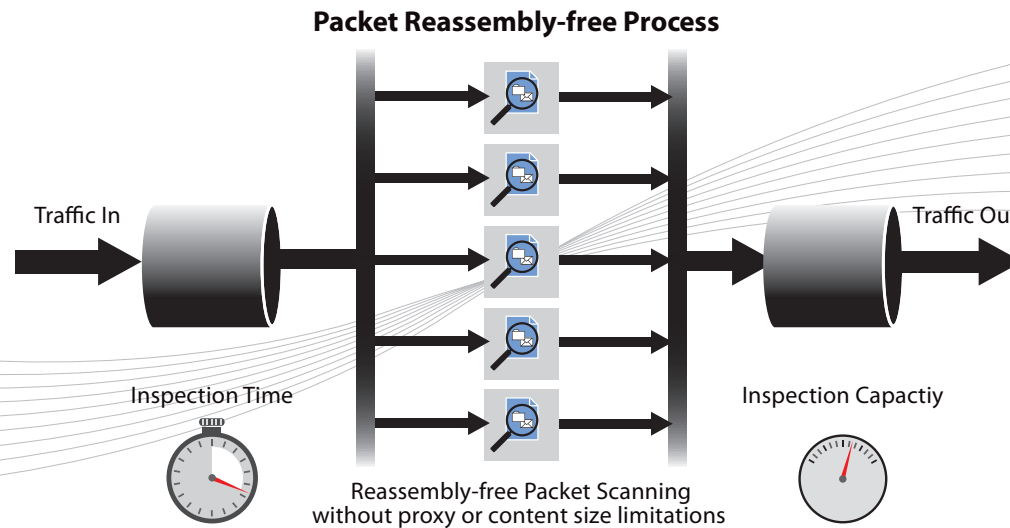
## **Solution: Unified Threat Management (UTM)**

Unified Threat Management (UTM) solutions provide a higher level of protection by scanning traffic for the latest threats, vulnerabilities and malware. By scanning more traffic, UTM solutions reduce the chance of machines on the network from receiving a virus or malware infection. Regular signature updates allow the UTM solution to stay ahead of the latest threats.

# RFDPI: Not all UTM's Provide the Same Level of Protection

## Challenge: Provide the Best Available Protection

Knowing the UTM solution you purchased provides the highest level of protection without limiting file sizes and concurrent files that can be scanned.



## Solution: Reassembly-Free Deep Packet Inspection (RFDPI)

UTM solutions based on RFDPI technology provide the ability to not only scan standard communications protocols like SMTP, FTP and HTTP, but also many protocols that are stream-based or run over non-standard ports. Additionally, UTM solutions should not be limited by the size or number of files that can be scanned concurrently.

# UTM Management and Deployment Complexity

## **Challenge: Cumbersome Implementation and Administration**

Small business network administrators often try to combat different emerging threats by cobbling together separate point solutions, which leave gaps in protection and introduce additional cost and complexity. In addition, because traditional UTM solutions are based on original equipment manufacturer (OEM) technologies, they can require complex policy creation to deploy. This complexity can increase deployment time and lead to a less-secure UTM deployment.



## **Solution: Ease of Use and Management**

Small businesses have the opportunity to optimize productivity and minimize total cost of ownership (TCO), while maximizing security, by consolidating multiple security technologies in a single UTM solution. Also, UTM solutions should provide a simple-to-use cohesive management interface that allows quick and accurate UTM policy deployment helping to decrease deployment mistakes, and increasing the UTM security.

# Comprehensive Anti-Spam

## Challenge: Incomplete and Complex Anti-Spam Protection

Most UTM solutions that provide anti-spam functionality rely on real-time blacklists (RBLs) and other less-accurate methods for blocking spam. Additionally, some solutions require the administrator to set up a server to run third-party software to provide additional spam blocking options.



## Solution: Comprehensive Anti-Spam Service

A comprehensive anti-spam service should remove spam, phishing and virus-laden messages from inbound SMTP-based email before they reach the network. The hybrid-cloud design of this service simplifies the set-up while optimizing protection, with no need to redirect mail exchanger (MX) records or send email to another vendor to be “cleaned.”

# Internet Redundancy

## **Challenge: Lost Internet Connectivity**

Most small businesses rely on their Internet connection to run their daily business, and connect their business locations, partners and customers over a wide area network (WAN). Service interruptions lead to downtime and decrease business productivity.

## **Solution: 3G Failover**

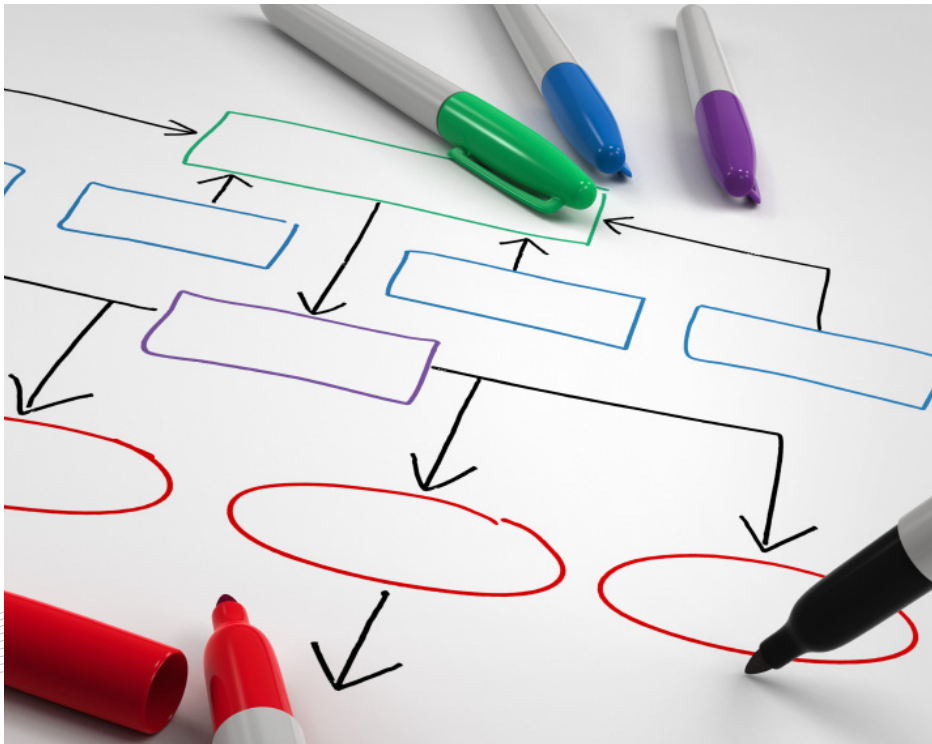
UTM solutions should provide a method of WAN redundancy that includes WAN Failover and Load Balancing. For additional redundancy, administrators can take advantage of today's 3G cellular technology by adding a USB-based 3G adapter, allowing the UTM appliance the ability to fail over to the wireless network.



# Network Segmentation

## Challenge: Network Growth Management

As business grows, customers are looking for an easy way to segment systems on the network and provide policy enforcement.



## Solution: Contextual Port Interfaces

UTM solutions can provide administrators with an easy method for network segmentation on the UTM appliance by integrating contextual port interfaces that can map groups of multiple ports to standard network objects. This ensures that administrators can easily control access between the different switch interfaces, providing protection from traffic traversing the WAN, DMZ and other network segments, as well as devices inside your network.

# Clean Wireless

## **Challenge: The Increasing Move to Wireless**

While most companies rely on wired networks, more companies today are purchasing devices that work with 802.11n technology.

## **Solution: Clean Wireless Networks— as Secure as Wired Networks**

“Clean Wireless” delivers the innovative dual protection of high-speed secure wireless combined with high-performance UTM, which are required to both (1) secure the wireless connection and (2) inspect and encrypt the traffic flowing over the wireless network. By integrating 802.11n-compatible wireless access points with UTM network security appliances over a central point of management, Clean Wireless can support and enforce one set of security policies over both wired and wireless networks.



# Remote Access Solutions



## **Challenge: The Rise of Teleworking**

Today, your office is where you are: at home, at the airport, at a café. Customers, partners and contractors need access to your business from anywhere. In addition, uncertainties ranging from natural disasters, pandemics and terrorism to fires, power outages and hard drive crashes can threaten to disrupt network access. As more users continue to work from home it's more important than ever to allow these users access to internal network resources.

## **Solution: Clean VPN**

SSL VPN offers secure remote access to mission-critical resources from virtually any endpoint, including desktops, laptops, PDAs and smartphones—without having to install “fat” VPN clients on endpoint devices. Integrating SSL VPN with UTM to form a Clean VPN enables administrators to protect the integrity of VPN access while also scanning and securing the integrity of both inbound and outbound VPN traffic.

# The SonicWALL Competitive Difference

## The SonicWALL Competitive Difference

Only SonicWALL can offer administrators of distributed enterprise and small business networks the complete, yet affordable, protection of the all new SonicWALL TZ Series, integrating these advanced SonicWALL features:

- Uncompromising Performance
- Reassembly-Free Deep Packet Inspection (RFDPI)
- Unified Threat Management (UTM)
- Comprehensive Anti-Spam Service
- Application Firewall
- Modular 3G Wireless Broadband and Analog Modem Support
- Secure 802.11b/g/n Wireless LAN (WLAN) High-Speed Wireless Connectivity
- Advanced IPSec and SSL VPN Connectivity Options
- PortShield Network Segmentation
- WAN Redundancy and Load Balancing
- Automated Failover and Failback for VPNs
- Intuitive Configuration Wizards
- Voice and Video over IP (VoIP) Capabilities
- Global Management System (GMS)



# Conclusion



In order to counter all of today's sophisticated attacks, a network administrator would need to deploy several different defensive techniques. However, small businesses do not have the budgets for maintenance contracts or personnel necessary that can purchase, configure and maintain these point solutions. At the same time, small businesses cannot afford to be sparing on their threat protection. In fact, little security can be worse than no security at all, since a false sense of security in a network protected by a minimal firewall or substandard UTM solution can lead people to be more likely to fall victim to attack. SonicWALL solutions offer small business network administrators the comprehensive protection they need, priced within their budgets.

### How Can I Learn More?

- Download the Whitepaper: “10 Easy Steps to Secure Your Small Business”
- Click here to opt in to receive SonicWALL newsletters

For feedback on this e-book or other SonicWALL e-books or whitepapers, please send an e-mail to [feedback@sonicwall.com](mailto:feedback@sonicwall.com).

**Forward to a Friend**

### About SonicWALL

Guided by its vision of Dynamic Security for the Global Network, SonicWALL® develops advanced intelligent network security and data protection solutions that adapt as organizations evolve and as threats evolve. Trusted by small and large enterprises worldwide, SonicWALL solutions are designed to detect and control applications and protect networks from intrusions and malware attacks through award-winning hardware, software and virtual appliance-based solutions. For more information, visit the company Web site at [www.sonicwall.com](http://www.sonicwall.com).

#### SonicWALL's line-up of dynamic security solutions



NETWORK  
SECURITY



SECURE  
REMOTE ACCESS



WEB AND E-MAIL  
SECURITY



BACKUP  
AND RECOVERY



POLICY AND  
MANAGEMENT

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