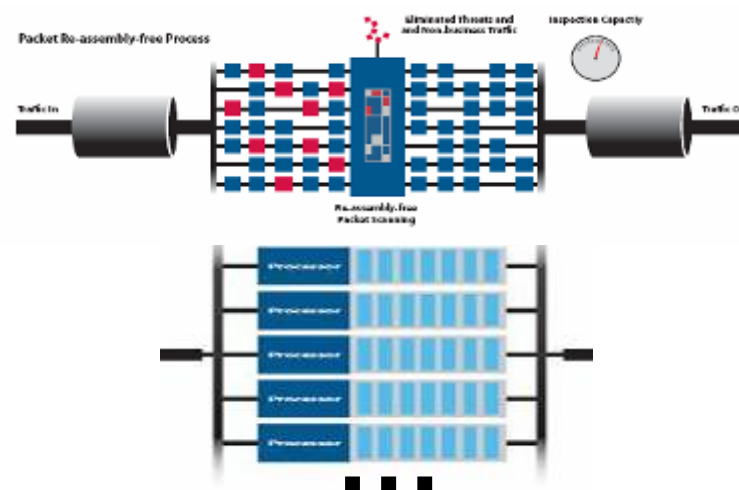
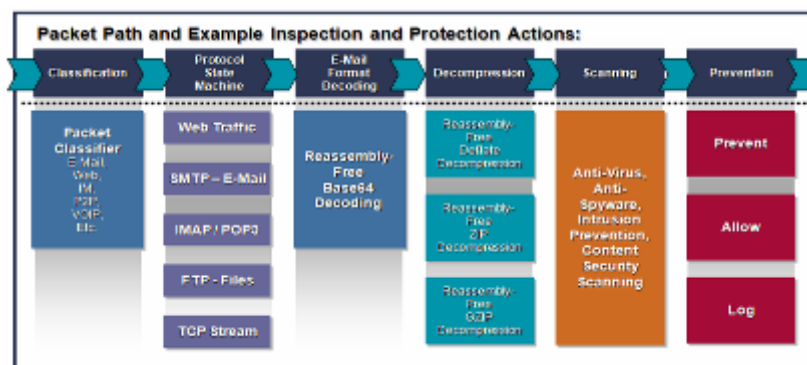


TZ 180 and TZ 190 Series  
DPI Performance Optimizations



# DPI Technology Design Principles: Scalable High-Performance using Universal Engine

- Universal security engine and signature language designed to protect ALL network protocols
  - Efficient engine and signature language for ALL malware and content inspection
  - Virus, Spyware, Intrusion Prevention and Web site filtering, application firewall, data leakage, content awareness for bandwidth mgmt, etc.
- Scalable
  - High-performance engine scales from single core to multi-core processors
  - Supports any platform memory size without limitation of flow size (content length/size) or number of concurrent connections
  - Supports any platform with no restriction or limit on number of flows protected



# New RFDPIv8 Released!

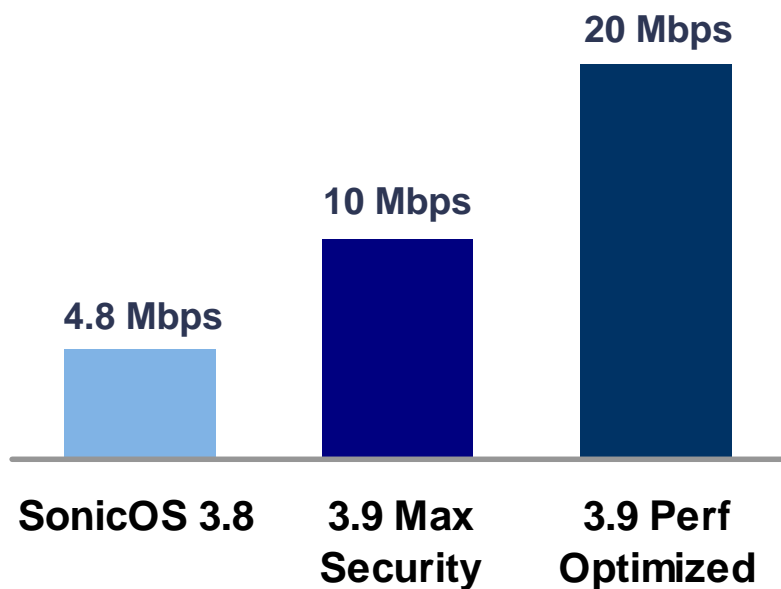
- Advancements in inspection technology and key optimizations offered in the new RFDPIv8 engine are affording new levels of deep inspection and raw throughput performance
- The patented Generation 5 RFDPI Engine dramatically outperforms traditional UTM engines and differentiates SonicWALL network security solutions in the marketplace
- The TZ 180/190s now benefit by taking full advantage of the Gen5 RFDPIv8 engine, enabling protection and performance capabilities previously deemed impossible

Generation 5 Patented RFDPI Technology Dramatically Increases Inspection and Performance Capabilities

# TZ Performance Results

## The Results

### TZ 180 UTM Throughput



- Available now in SonicOS 3.9 for TZ 180 and TZ 190, for customers with a valid technical support contract
- SonicOS 3.9 increases performance over previous versions by 4x
- Two Selectable Modes
  - **Maximum Security (Recommended):** Inspect all content with any SonicGRID threat probability (high/medium/low).
  - **Performance Optimized:** Inspect all content with a high or medium SonicGRID threat probability.

# DPI v8 Screenshot - TZ

The screenshot displays the SonicWall management console interface. On the left is a navigation menu with categories like System, Network, and Security Services. The main content area is titled "Security Services > Summary" and contains a table of service status. Below the table is a "Security Services Settings" dialog box that is open, showing a dropdown menu for "Security Services Setting" with options "Recommended" and "Performance Optimized". A checkbox for "Reduce Anti-Virus and" is checked. The "HTTP Clientless Notification Timeout" is set to 86400 seconds.

Security Service	Status	Count	Expiration
Nodes/Users	Licensed	Unlimited	
Complete AV			
Client AV Enforcement	Expired	10	16 Feb 2008
Server Anti-Virus	Not Licensed		
Gateway Anti-Virus, Anti-Spyware & Intrusion Prevention Service	Licensed		16 Feb 2010
E-Mail Filtering Service			
VPN			
Global VPN Client			
Global VPN Client En			
VPN SA			
SonicOS Enhanced			
Global Security Client			
Comprehensive Gate			
Gateway Anti-Virus			
Content Filter			
Premium Content			
ViewPoint			

**Security Services Settings**

Security Services Setting: Recommended

Reduce Anti-Virus and  Performance Optimized

HTTP Clientless Notification Timeout for Gateway AntiVirus and AntiSpyware (sec) 86400

# The SonicWALL TZ Series



## TZ 150 Series

- Target Applications: Home and small office network security
- Stateful Packet Inspection Firewall
- IPSec VPN
- 10 nodes (not upgradeable)
- Ships with SonicOS Standard (not upgradeable)
- 4-port MDIX LAN switch
- Optional secure 802.11b/g access point



## TZ 180 Series

- Target Applications: Small, remote and branch office network security
  - **Now with 4x the UTM performance!**
- Includes all TZ 150 features plus:
- **10 Mbps UTM throughput in Maximum Security Mode, 20 Mbps in Performance Optimized Mode**
  - Licensed for 10, 25 or unrestricted nodes
  - Optional port (2<sup>nd</sup> LAN, WorkPort, DMZ)
  - WAN failover and failback
  - Dual high gain WLAN antennas
  - 5-port MDIX LAN switch



## TZ 190 Series

- Target Applications: Small, remote and branch office networks with mission critical connectivity requirements
- Includes all TZ 180 features plus:
- Support for 3G and analog modem PC cards
  - 8-port MDIX LAN Switch
  - Ships with SonicOS Enhanced
  - PortShield configurable security
  - Unrestricted Nodes
  - 8-port MDIX switch

# Key Advances In SonicWALL's RFDPI Protection Technology

- **GEN5 RFDPI Engine**
  - Takes advantage of GEN5 technology to deliver deeper and faster inspection capabilities
- **End User Selectable Security Posture**
  - *Two methods to choose from Maximum Security & Performance Optimized*
  - **Maximum Security (Recommended):** *Inspect all content with any SonicGRID threat probability (high/medium/low).*
  - **Performance Optimized:** *Inspect all content with a high or medium SonicGRID threat probability.*
- **RFDPI Engine – Patent # 7310815**
  - The patented RFDPI engine delivers the most scalable and comprehensive protection offered by UTM solutions
  - Takes advantage of GEN5 technology to deliver deeper and faster inspection capabilities

Thank You

