NETGEAR®
PROSECURE®

ProSecure®
Unified Threat Management Firewall
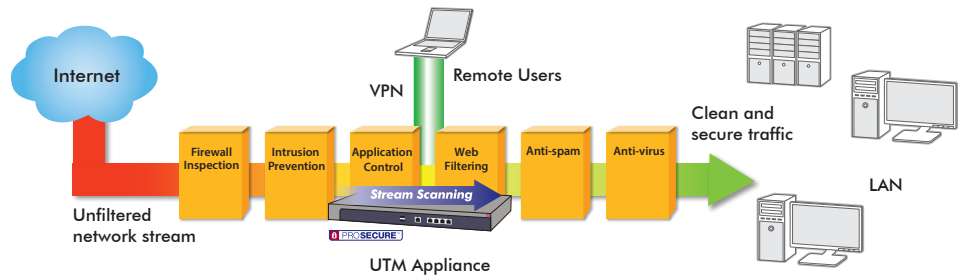**UTM S Series with Wireless-N and VDSL/ADSL2+ Options**

Data Sheet

Unified Gateway Security for Smart IT Networks – Without Compromise

The NETGEAR ProSecure UTM S Series is a modular all-in-one next-gen firewall with an advanced application firewall and layers of enterprise-strength security such as anti-virus, anti-spam, Web filtering, and intrusion prevention (IPS) built in. This gives business owners and IT admins greater visibility and control over their network and protects their businesses from today's application, Web, email, and network threats. UTM S Series firewalls also have two modular slots that allow for optional interface cards to tailor the firewall for specific connectivity requirements.

Redefining the Firewall

ProSecure UTM firewalls bring advanced network security technologies to small and medium businesses and remote/branch offices. Traditional firewalls can only block/accept traffic based on IP addresses and ports and offer little protection outside of that. This approach is quickly becoming obsolete in today's Internet where many applications send/receive traffic over ports that are typically allowed by traditional firewalls. The built-in application firewall of the UTM overcomes the limitations of yesterday's firewall and allows the UTM to monitor, control, and block hundreds of applications such as Skype, Facebook, BitTorrent®, and Yahoo! Messenger; helping enhance employee productivity and enforce network usage policies.
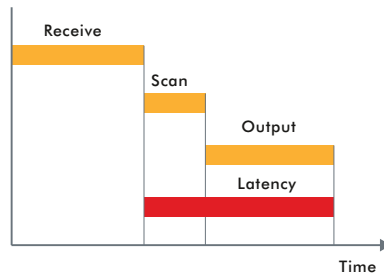
The UTM application firewall combined with best-of-breed anti-virus, Web filter, and anti-spam technologies along with IPS and VPN functionality, form the ideal firewall for today's businesses.

ProSecure UTM Features and Highlights

- **Advanced Application Control Firewall**
  – Monitors and controls application use
  – Supports up to 1200 applications
  – Granular per-application policies
  – Preserve productivity and save bandwidth

- **Best-of-breed Anti-malware Engine**
  – Enterprise-class malware scan engine
  – Up to 400 times the coverage of legacy all-in-one solutions
  – Over 1 million malware signatures
  – Hourly automatic signature updates
  – Zero hour heuristic based threat protection

- **ProSecure Patented* Stream Scanning Technology**
  – Data streams are processed as they enter the network
  – Low latency Web traffic scanning

- **Distributed Spam Analysis Anti-spam Technology**
  – Hybrid in-the-cloud architecture
  – Gathers threat data from over 50 million global sources
  – New spam is classified and detected within minutes
  – No learning period, works right out of the box

- **Distributed Web Analysis URL Filtering**
  – Hybrid in-the-cloud architecture
  – Hundreds of millions of categorized URLs
  – Real-time classification, 64 categories
  – Per User & Group filtering policies
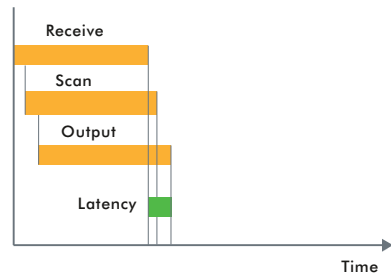

UTM Appliance

Revolutionary Stream Scanning Platform

Given the high performance requirements of scanning latency sensitive Web traffic, incorporating enterprise-grade security software technologies onto traditional all-in-one platforms has been a very difficult task. Traditional batch-based scanning methods introduce large amounts of latency into network traffic and can slow Web browsing to a crawl. All-in-one solutions in the past have tried to overcome this by minimizing the malware signature set, scanning only a select few file types, or by avoiding Web scanning altogether. This exposes an entire vector of the network to malware-based attacks. The ProSecure UTM features patented Stream Scanning Technology which analyses data streams as they enter the network. This significantly reduces latency and allows the use of an extensive malware signature library for scanning – thus offering an unprecedented combination of speed and coverage in an all-in-one solution.

Traditional Batch-based Scanning

Stream Scanning

- **Virtually Limitless Logging, Reporting and Quarantine Capability**
  – Integrates with NETGEAR ReadyNAS models with UTM plugin
  – Automatically store logs on ReadyNAS NAS
  – Up to 4.6 GB of log storage space for reports
  – Conduct security forensics and reporting years in arrears

- **SSL & IPSec VPN Remote Access**
  – SSL VPN - clientless remote access, anywhere, anytime
  – IPSec VPN - secure site-to-site tunnels and client-based remote access
  – Purchase additional licenses for IPSec VPN

- **Built-in SPI Firewall**
  – Dual WAN Gigabit Firewall** provides load balancing and failover
  – Gigabit LAN ports, configurable hardware DMZ port
  – Stateful packet inspection (SPI)
  – Denial-of-service (DoS) protection
  – IPS prevents hackers from penetrating the network perimeter

Simple Setup, Ease of Management

The ProSecure UTM will easily replace any existing firewall or router. A simple 10-step setup wizard guides you through installation and the UTM will be up and running in minutes. Administration is performed through an intuitive Web-based interface. Set granular policies and alerts, check summary statistics and graphical reports, drill down to IP address-level data, and integrate log data with standard network management tools using SNMP. Malware, Application, and IPS signature, software, and firmware updates are all handled by the UTM - online and automatically.

For many administrators and IT personnel one of their biggest nightmares is the management of individual licenses or "seats." Buying additional licenses when computers and personnel are added to the network is time-consuming and costly. The ProSecure UTM offers Web and email protection subscriptions **with no "per-user" licensing.**

Expandability

ProSecure UTM S Series firewalls have two modular slots that allow for optional interface cards to be addedto tailor the appliance for specific installation requirements.

A VDSL/ADSL2+ Modem Module, available in both Annex A and Annex B versions, furnishes direct, always-on Internet connectivity. VDSL capability provides Internet connection speeds up to three times faster than traditional ADSL2+ DSL networks while providing backwards compatibility with ADSL2+.

In conjunction with two onboard RJ45 WAN ports for redundancy and failover, the VDSL/ADSL 2+ Modem Module, if installed, can be employed either as the primary WAN connection or as a third WAN port in a redundant/ load balancing scenario.

A Wireless-N Module provides access point capability to connect Wireless-N clients at both 2.4 GHz and 5.0 GHz frequencies at up to 15x the speed and 10x the coverage of legacy 802.11g networks.

The built-in USB port supports qualified 3G/4G USB dongles from major ISPs to be used as either a primary or backup WAN connection.

UTM S SERIES COMPARISON

MODEL	UTM9S	UTM25S
PERFORMANCE		
Firewall Throughput[1]	933 Mbps	980 Mbps
Application Firewall Throughput[1]	900 Mbps	905 Mbps
Anti-virus Throughput[1]	23 Mbps	30 Mbps
IPS Throughput[1]	172 Mbps	240 Mbps
UTM Throughput[1] (HTTP Traffic)	18 Mbps	24 Mbps
UTM Throughput[1] (non-HTTP Traffic, e.g. P2P, DNS, SSH)	172 Mbps	240 Mbps
Maximum VPN Throughput[1]	80 Mbps	90 Mbps
Maximum Concurrent Connections[1]	16,000	40,000
802.1q VLANs	255	255
CONTENT SECURITY		
Web and Email Scanned Protocols	HTTP, HTTPS, FTP, SMTP, IMAP, POP3	
Stream Scanning	●	●
Inbound and Outbound Inspection	●	●
Signature-Less Zero Hour Protection	●	●
Malware Signatures	1.2 Million	1.2 Million
Automatic Signature Updates	Hourly	Hourly
Web Content Filters	HTTPS Smart Block, HTML Body Keywords, File Extension	
Web Object Filters	ActiveX, Java™, Flash, JavaScript™, Proxy, Cookies	
Email Content Filters	Filter By: Subject Keywords, Password-protected Attachments, File Extension, File Name	
Distributed Spam Analysis	●	●
Distisuted Spam Analysis Supported Protocols	SMTP, POP3	
Anti-spam Real-time Blacklist (RBL)	●	●
User-defined Spam Allowed/Block Lists	Filter By: Sender Email Address, Domain, IP Address, Recipient Email Address, Domain	
Distributed Web Analysis w/64 categories	●	●

MODEL	UTM9S	UTM25S
Maximum Number of Users	Unlimited	
FIREWALL FEATURES		
Stateful Packet Inspection (SPI)	Port/Service Blocking, Denial-of-service (DoS) Prevention, Stealth Mode, Block TCP Flood, Block UDP Flood, WAN/LAN Ping Response Control	
Application Firewall	Global Mode, Policy Mode, SSL Decryption, Granular Application Policies, Application Session Monitoring, Application Dashboard	
Applications Protected	332	1212
Intrusion Detection & Prevention (IPS)	●	●
IPS Signatures	619	2114
WAN Modes	NAT, Classical Routing	
ISP Address Assignment	DHCP, Static IP Assignment, PPPoE, PPTP	
Secondary WAN IP Addresses	32	32
NAT Modes	1-1 NAT, PAT	
Routing	Static, Dynamic, RIPv1, RIPv2	
VoIP	SIP ALG	
DDNS	DynDNS.org, TZO.com, Oray.net, 3322 DDNS	
Firewall Functions	Port Range Forwarding, Port Triggering, DNS proxy, MAC Address Cloning/spoofing, Network Time Protocol NTP Support, Diagnostic Tools (ping, DNS lookup, trace route, other), Auto-Uplink on Switch Ports, L3 Quality of Service (QoS) ,LAN-to-WAN and WAN-to-LAN (ToS)	
DHCP	DHCP Server, DHCP Relay	
User Authentication for VPN	Active Directory, LDAP, Radius, Local User Database	
Security Policies Based on Active Directory with Single Sign-On (SSO)	●	●
PCI Compliance Two Factor Authentication Support	●	●
VPN		
IPSec VPN Tunnels	10	25
SSL VPN Tunnels	5	14
L2TP, PPTP VPN Tunnels	5	5
IPSec Encryption/Authentication	DES, 3DES, AES(128,192,256 bit)/SHA-1, MD5	
Key Exchange	IKE, Manual Key, Pre-Shared Key, PKI, X.500	
IPSec NAT Traversal (VPN Passthrough)	●	●
iPhone Native VPN Client Support	●	●
Included ProSafe VPN Client Lite Licenses	1	1
SSL Version Support	SSLv3, TLS1.0	
SSL Encryption Support	DES, 3DES, ARC4, AES(128,256 bit)	
SSL Message Integrity	MD5, SHA-1, MAC-MD5/SHA-1, HMAC-MD5/SHA-1	
SSL Certificate Support	RSA, Diffie-Hellman, Self (Key Lengths 512-bit, 1024-bit, 2048-bit)	
SSL VPN Platforms Supported	Windows 2000/XP/Vista® (32bit), Windows 7 (32 and 64bit), Mac OS® X 10.4.x/10.6.x	
DEPLOYMENT		
802.1q VLAN Support	●	●
Multi-WAN Failover	●	●
Intelligent Traffic Load Balancing	●	●
USB Dongle Support for 3G/4G WAN Connections	●	●
Configuration Wizards	Setup, IPsec VPN, SSL VPN	
Electronic License	●	●
LOGGING AND REPORTING		
Management	HTTP/HTTPS, SNMP v2c	

MODEL	UTM9S	UTM25S
Reporting	Summary Statistics, Graphical Reporting, Automatic Outbreak Alerts, Automatic Malware Notifications, System Notifications	
Logging	Traffic, Malware, Spam, Content Filter, Email Filter, System, Service, IPS, Application, Port Scan, IM, P2P, Firewall, IPsec VPN, SSL VPN	
Log Delivery	Management GUI Query, Email Delivery, Syslog	
HARDWARE		
Gigabit RJ45 Ports WAN/LAN	2/4	2/4
DMZ Interfaces (Configurable)	1	1
Flash Memory/RAM	2 GB/512 MB	2 GB/1 GB
USB Ports	1	1
Certifications	ICSA: Anti-virus VPNC: AES Interop, Basic Interop Checkmark: Anti-Malware, Anti-Spam, Enterprise Firewall, VPN, IPS, URL Filtering	
Major Regulatory Compliance	FCC Part 15 Class A, CE mark commercial, VCCI, C-Tick Class A, CE/LVD, cUL, RoHS, China RoHS	
Storage and Operating Temperatures	Operating Temperature 0°-45° C (32°-113° F), Storage Temperature -20°-70° C (-4°-158° F)	
Humidity	Operation 90% Maximum Relative, Storage 95% Maximum Relative	
Power Input Rating	100-240V, AC/50-60Hz, Universal Input, 1.0 Amp Max	
Dimensions (W x H x D) cm	33 x 4.3 x 28.6	33 x 4.3 x 28.6
Dimensions (W x H x D) in	13 x 1.7 x 11.25	13 x 1.7 x 11.25
Weight kg/lb	2.56/5.65	2.56/5.65
Package Contents	ProSecure UTM Appliance, Power Cable, Rubber Feet, Resource CD, Rackmount Kit, Warranty Card, Quick Installation Guide, Electronic License (Bundles only)[2]	
Hardware Warranty	Lifetime	

MODEL	
UTM Wireless-N Module Specifications	• IEEE® 802.11n, 2.4 GHz and 5.0 GHz, Dual Band Selectable • IEEE 802.11a 5.0 GHz • IEEE 802.11g, IEEE 802.11b, 2.4GHz • WiFi Protected Access® (WPA, WPA2) • Wired Equivalent Privacy (WEP) 64, 128, & 256 bit • IEEE 802.1x RADIUS authentication with EAP TLS, TTLS, PEAP • Detachable antennas • Ordering Part Number: NMWLSN-10000S
UTM VDSL/ADSL2+ Module Specifications (Annex A)	• Annex A/Annex M Support • VDSL2 support • ADSL 2/ADSL 2+ ADSL over ISDN (ITU G.992.3, ITU Annex G.992.5 Annex A) • ATM Support of layer 1 protocol AAL5, PVCs, RFC 1483 • ATM Support of ATM traffic management (COS - CBR, VBR, UBR) • Ordering Part Number: NMVDSLA-10000S
UTM VDSL/ADSL2+ Module Specifications (Annex B)	• Annex B/Annex M Support • ADSL/ADSL2+ over ISDN (ITU G.992.1 Annex B, ISDN - compatible to U-R2 connection of Deutsche Telekom, G.Lite (ITU G.922.2) • VDSL2 support • ADSL 2/ADSL 2+ ADSL over ISDN (ITU G.992.3, ITU Annex G.992.1 Annex B) • ATM Support of layer 1 protocol AAL5, PVCs, RFC 1483 • ATM Support of ATM traffic management (COS - CBR, VBR, UBR) • Ordering Part Number: NMVSDSLB-10000S

ORDERING INFORMATION

Hardware (Firewall and VPN Functionality Only)

North America	Europe	Asia
UTM9S-100NAS	UTM9S-100EUS	UTM9S-100AJS
UTM25S-100NAS	UTM25S-100EUS	UTM25S-100AJS

1-Year Bundle
(Hardware including 1-year Web, 1-year Email, and 1-year Software Upgrades, IPS, App Firewall, 24/7 Support, and Advanced Replacement)

North America	Europe	Asia
UTM9SEW-100NAS	UTM9SEW-100EUS	UTM9SEW-100AJS
UTM25SEW-100NAS	UTM25SEW-100EUS	UTM25SEW-100AJS

3-Year Bundle
(Hardware including 3-year Web, 3-year Email, and 3-year Software Upgrades, IPS, App Firewall, 24/7 Support, and Advanced Replacement)

North America	Europe	Asia
UTM9SEW3-100NAS	UTM9SEW3-100EUS	UTM9SEW3-100AJS
UTM25SEW3-100NAS	UTM25SEW3-100EUS	UTM25SEW3-100AJS

1-Year Module Bundle - Includes UTMS Firewall + Wireless or DSL Module + 1-Year Security Bundle Subscription (North America Only)
(Hardware including 1-year Web, 1-year Email, and 3-year Software Upgrades, IPS, App Firewall, 24/7 Support, and Advanced Replacement)

Wireless-N Module Bundle	VDSL/ADSL2+ Module (Annex A) Bundle	VDSL/ADSL2+ Module (Annex B) Bundle
UTM9EWWN-100NAS	UTM9EWDA-100NAS	UTM9EWDB-100NAS
UTM25EWWN-100NAS	UTM25EWDA-100NAS	UTM25EWDB-100NAS

Optional Hardware Modules (not included with bundles)

NMWLSN-10000S   Wireless-N Module
NMVDSLA-10000S   VDSL/ADSL2+ Module (Annex A)
NMVSDSLB-10000S   VDSL/ADSL2+ Module (Annex B)

1-Year Subscriptions

Web Threat Management	Email Threat Management	Software Maintenance and Upgrades, 24/7 Support, Advanced Replacement	Subscription Bundle (Web + Email + Support & Maintenance)
UTM9SW-10000S	UTM9SE-10000S	UTM9SM-10000S	UTM9SB-10000S
UTM25SW-10000S	UTM25SE-10000S	UTM25SM-10000S	UTM25SB-10000S

3-Year Subscriptions

Web Threat Management	Email Threat Management	Software Maintenance and Upgrades, 24/7 Support, Advanced Replacement	Subscription Bundle (Web + Email + Support & Maintenance)
UTM9SW3-10000S	UTM9SE3-10000S	UTM9SM3-10000S	UTM9SB3-10000S
UTM25SW3-10000S	UTM25SE3-10000S	UTM25SM3-10000S	UTM25SB3-10000S

*U.S. Patent No. 7,971,254

**Additional WAN connections available through the optional ADSL module and qualified 3G/4G USB dongles.

[1]Throughput measured in a lab environment. Actual performance may vary depending on network conditions and activated services.

[2]Electronic Licenses are now used to register UTMs that are purchased as part of a bundle. A license key will be assigned to the UTM at the time it is registered with NETGEAR License servers.