

NETGEAR® ProSECURE®

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

Data Sheet

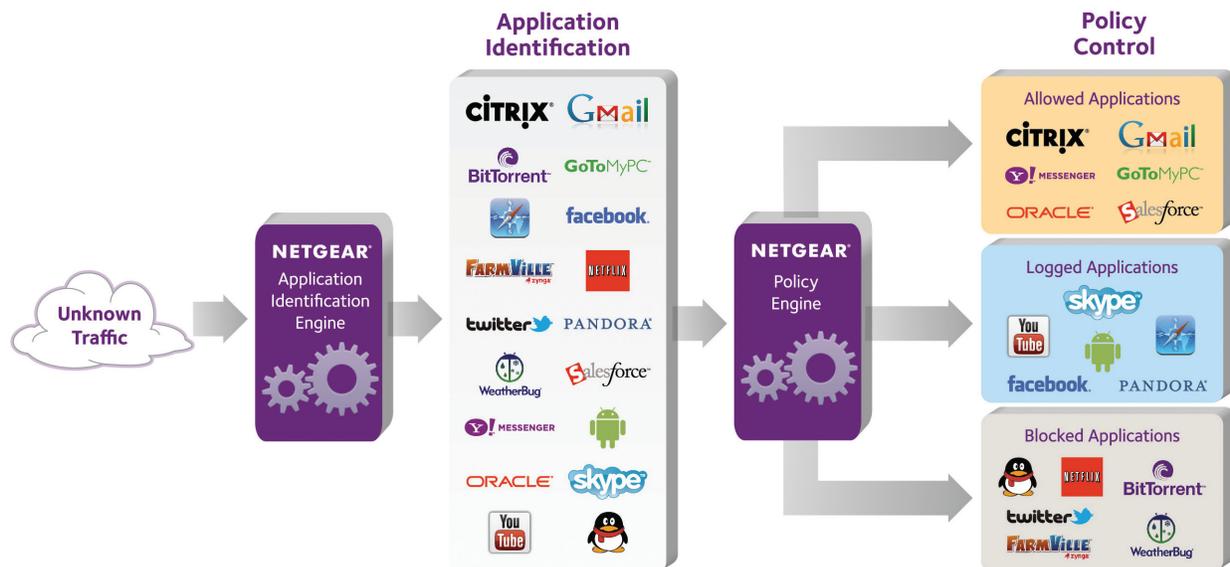
Unified Gateway Security for Smart IT Networks – Without Compromise



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

Traditional firewalls can only block/accept traffic based on IP addresses and ports. 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 ProSECURE 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 an array of advanced network security technologies form the ideal firewall for today's businesses.



Advanced Cloud-based Virus Protection

ProSECURE UTM firewalls feature a next-generation cloud-based anti-virus engine with dual layer virus protection. It uses up-to-date information from a global network of threat analysis centers along with the power of cloud look-ups and delivers effective protection against threats for multiple types of traffic with minimal impact on system resources. With over 45 million signatures in the cloud, this virus engine will allow the UTM to scale with today's exponentially increasing virus and malware threats.

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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 and IPS signature, software, and firmware updates are all handled by the UTM - online and automatically.

Expandability

ProSECURE UTM S Series firewalls have two modular slots that allow for optional interface cards to be added to 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.

ProSECURE UTM Features and Highlights

Advanced Application Control Firewall

- Monitors and controls up to 1200 applications
- Granular per-application policies
- Preserve productivity and save bandwidth

Next-gen Cloud-based Anti-virus

- Revolutionary dual layer cloud-based virus protection
- Scales with exponentially growing malware threats with over 45 million malware signatures
- Blocks known malware sites

Patented Stream Scanning*

- Data streams are processed as they enter the network
- Low latency Web traffic scanning

Distributed Spam Analysis Anti-spam

- Cloud-based spam detection
- Gathers threat data from over 50 million global sources
- New spam is classified and detected within minutes

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

Virtually Limitless Logging, Reporting and Quarantine Capability

- Integrate and store logs on NETGEAR ReadyNAS with UTM app
- Up to 4.6 GB of log storage space
- 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 software client-based remote access
- SSL VPN - no additional licenses to purchase
- IPsec VPN works with NETGEAR VPN Professional Client

Built-in Intrusion Prevention

- Signature based network threat detection
- Prevents hackers from penetrating the network perimeter
- Optimized for high throughput

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UTM S Series Comparison

MODEL	UTM9S	UTM25S
SIZING GUIDELINES		
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, SMTPS, POP3S, IMAPS	
Stream Scanning	☐	☐
Inbound and Outbound Inspection	☐	☐
Signature-Less Zero Hour Protection	☐	☐
Malware Signatures	45 Million	45 Million
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	☐	☐
Distributed Spam Analysis Supported Protocols	SMTP, POP3, SMTPS, POP3S	
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	☐	☐
Maximum Number of Users	Unlimited	
Safe Search Enforcement	Google, Yahoo, Bing	
FIREWALL & NETWORKING		
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	

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UTM S Series Comparison

MODEL	UTM9S	UTM25S
FIREWALL & NETWORKING		
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, VLAN-to-VLAN	
FIREWALL FEATURES		
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)	0	0
PCI Compliance Two Factor Authentication Support	0	0
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)	0	0
iPhone Native VPN Client Support	0	0
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	

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UTM S Series Comparison

MODEL	UTM9S	UTM25S
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	
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
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 Firewall, Power Cable, Rubber Feet, Resource CD, Rackmount Kit, Warranty Card, Quick Installation Guide, Electronic License (Bundles only) ²	
Hardware Warranty	Lifetime	

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UTM S Series Comparison

MODEL	UTM9S	UTM25S
UTM Wireless-N Module Specifications 	<ul style="list-style-type: none"> • 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) 	<ul style="list-style-type: none"> • 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: NMVDSL A-10000S 	
UTM VDSL/ADSL2+ Module Specifications (Annex B) 	<ul style="list-style-type: none"> • 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: NMVDSL B-10000S 	

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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	
Optional Hardware Modules (not included with bundles)					
Wireless-N Module		VDSL/ADSL2+ Module (Annex A)		VDSL/ADSL2+ Module (Annex B)	
NMWLSN-10000S		NMVDSL A-10000S		NMVDSL B-10000S	
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		

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

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

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

²Electronic Licenses are now used to register UTM's 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.