UTM Firewall
UTM-2500

Despite the enormous potential of e-commerce, it brings along with itself various nuisances and security risks such as spam, viruses, Trojans, hacker attacks, etc.

Accordingly, Nusoft presents you with UTM-2500, the ultimate solution to network security and management concerns. Its multi-layered spam filtering and training mechanisms help filter out unsolicited and virus-infected emails, merely keeping the legitimate ones.

As for malicious code such as Trojans, worms and viruses, all can be effectively kept out of the network using its inbuilt dual anti-virus engines (ClamAV and Sophos). Together with IDP system and Web application firewall (WAF), it leaves hackers with no chance and eliminates security threats once for all.

In addition, it seamless integrates with SPI firewall, Web filter, load balancer, QoS manager, email auditor, email archiver, application blocker, VPN manager and more, effortlessly facilitating network management with simply a single device. Better yet, all signatures are available for free updates 24 / 7, which drastically reduce your ownership cost of IT infrastructure.

Product Features

Full IPv6 Compatibility

UTM-2500 is fully compatible with IPv6 addressing, the mainstream Internet protocol in the future. No additional budget is required for implementing another IPv6-based gateway simply for IPv4-to-IPv6 address translation.

Customizable & Scalable NIC Modules

Up to 10 to 18 GbE RJ45 ports (replaceable with mini-GBIC ports and expandable by using Virtual WAN feature) are available for defining as LAN, WAN, DMZ, or isolated NIC groups. Accordingly, UTM-2500 can physically segment a network, adding additional protection (anti-virus, IDP, etc.) and advanced controls (authentication, QoS, etc.) by serving as an internal firewall to efficaciously prevent virus or worm outbreaks, as well as to improve management over networks.

Highly Accurate Spam Filtering

The spam filtering can reach 99% accuracy by training and multiple filtering mechanisms such as Fingerprint, Bayesian, Global / Personal Rule, Grey- / Black- / Whitelist, etc. In addition, quarantined messages may be retrieved by their intended recipients through a daily mail notice without the intervention of network administrator, greatly reducing the management load.

Dual Anti-Virus Engines

The inbuilt dual anti-virus engines, ClamAV and Sophos, are able to effectively filter out over fifty thousand kinds of viruses, Trojans, spyware, phishing frauds, etc. Besides, ClamAV virus signatures are available for free updates 24/7, which offers your network the most up-to-date virus protection at a minimum ownership cost.

Proactive Intrusion Detection & Prevention (IDP)

The IDP inspection focuses on OSI layer 4 (transport layer) through 7 (application layer) to block malicious code and attacks originating from the Internet. Aside from the default signatures and an auto-update at a 30-minute interval, custom signatures and timely reporting are also provided for better network protection and diagnosis.

Email Auditing & Archiving

Audit rules can be applied to email messages to prevent sensitive information leakage prior to their delivery. Apart from that, mission-critical messages are archived for subsequent investigation and available for access through a Web-based user interface from any computer at any time.

Detailed Mail Reports

The processing of email messages are visualized in intuitive statistical graphs, giving the network administrator an instant insight into email security service, such as spam filtering and virus scanning.

Internet-based Application Blocking

The use of instant messaging (both login and file transfer), peer-to-peer sharing, multimedia streaming, web-based email service, online gaming, VPN tunneling and remote controlling can be effortlessly blocked by their packet signatures.

One-Time Password Authentication

An unpredictable and unrepeatable password can be generated at each login using Nusoft OTP (available for iOS and Android devices), offering users a more secure identity verification along with their account credentials.

Total VPN Solution

Unlike conventional firewalls, UTM-2500's VPN Trunking feature delivers link failover and bandwidth aggregation capabilities to IPSec / PPTP tunnels, greatly increasing the speed and stability of VPN connections. In addition, hardware authentication is incorporated into SSL Web VPN connectivity, which allows user authentication to base on hardware information, such as CPU ID, hard disk serial number, etc. Branch offices and road warriors will be provided with VNC connectivity and Wake-on-LAN capability, as well as a fast and easy VPN access along with advanced security (anti-virus, IDP, etc.) and controls (authentication, QoS, etc.).

Bi-directional Load Balancing & Policy-based Routing

With the multi-WAN module, outbound traffic are distributed across WAN links by load-balancing algorithms, due to which it delivers bandwidth aggregation and link failover capabilities, making the most of bandwidth, and yet connecting reliably. Besides, inbound traffic to your company website can be evenly load-balanced across each link to mitigate the load of Web requests, ensuring the accessibility to the website should any link failure occur.

Moreover, the network traffic generated from a specific service or user can be routed through a designated WAN link based on the company's network policies.

Web Filtering

The Web Filtering feature employs a cloud-based URL database which is categorized into Anti-Social and Illegal, Pornographic and Abusive, Gaming and Gambling, Society and Commerce, Communication and Technology, Leisure, Information and Education, Other, and further categorized into sixty-four subcategories. Web access can be easily managed by category instead of a URL, keyword, etc.

Additionally, network administrators are allowed to restrict file transfers, MIME types and browser scripts, as well as provided with detailed logs and statistics for diagnosis.

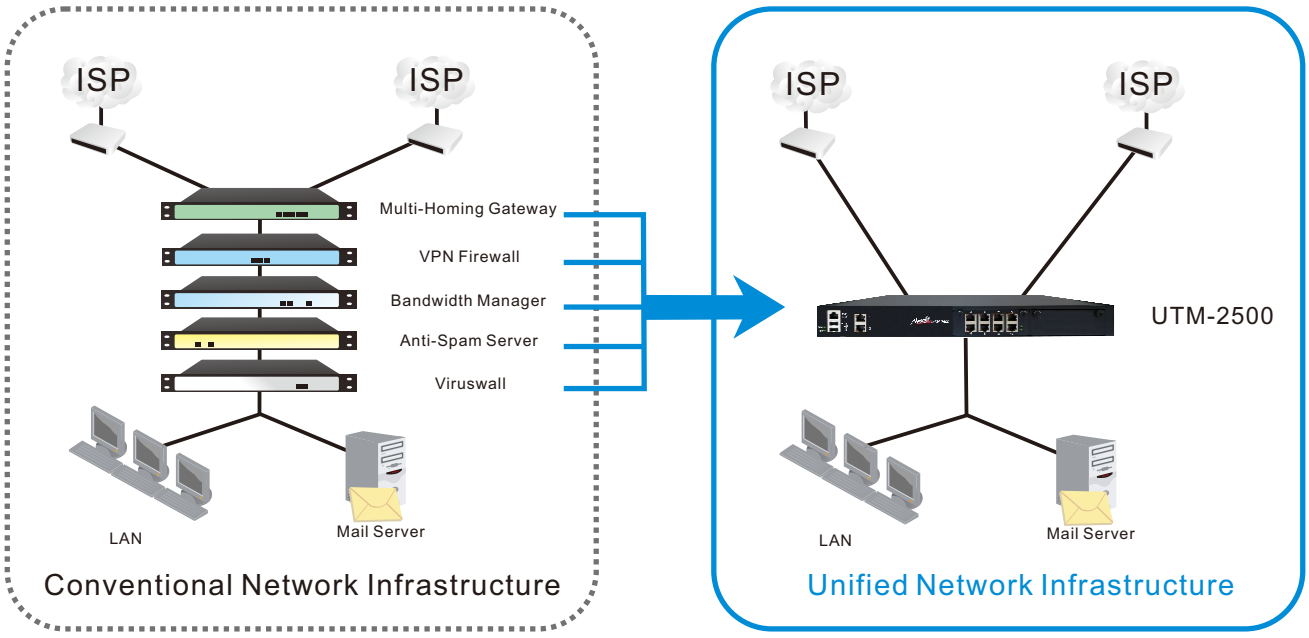
Flexible Bandwidth Management

Global Quality of Service (QoS), individual QoS and P2P QoS are provided as tools to base bandwidth allocation on network policies, preventing the bandwidth being exhausted by minorities.

Web Application Firewall (WAF)

It offers PCI DSS and HIPAA compliance by the support of Web 2.0 technologies, various server types (Apache, IIS, etc.) and multiple scripting languages (Perl, Python, TCL, PHP, etc.). Not only the Web application attacks (XSS, SQLIA, etc.) can be blocked, but also the detailed reporting are provided.

Deployment



Product Highlights

Highlight	Benefit	Third-Party Product
Full IPv6 compatibility	Saves the budget for an IPv6-based gateway simply for IPv4-to-IPv6 address translation.	Either fully or partially (Web filtering, application blocking, anti-virus, etc.) incompatible with IPv6 addressing.
Customizable & scalable NIC modules	Enables you to define, group, or increase NIC ports, as well as allows you to create multiple virtual WAN links over a physical WAN link for the needs of a large network.	Either fixed to factory default or incapable of multi-WAN load balancing.
Unified network management	Provides an effortless network management through a unified user interface.	Merely a firewall equipped with simple security mechanisms and cluttered management interfaces; operation requires a separate configuration for each feature.
Email quarantine notification	Notifies recipients of quarantined messages and enables them to retrieve emails on their own.	Leaves recipients unaware of quarantined messages and requires network administrator's intervention to retrieve emails.
LAN security mechanisms	Secures LAN networks with anomaly flow detection and switch co-defense capabilities, as well as serves as internal firewall.	No protection against attacks initiated from within the network.
Flexible bandwidth management	Adds flexibility to bandwidth management by providing global QoS, individual QoS and P2P QoS.	Lacks flexibility in bandwidth management due to the only option being maximum bandwidth.
Total VPN solution	Securely tunnels network connections using PPTP/IPSec/SSL VPN along with trunking capability and policy-based management (anti-virus, IDP, etc.).	Merely offers PPTP / IPSec VPN connectivity and has no advanced security and manageability.
Various authentication mechanisms	Greatly increases the network security by using hardware information (CPU ID, hard disk serial number, etc.) and one-time password for user authentication.	Network security is at risk due to sole reliance on user credentials for authentication.
Policy-based routing	Allows in- / outbound traffic to be routed based on network polices.	Only comes in outbound routing capability and has no manageability.
Internet-based application blocking	Restrains the use of Internet-based applications such as IM clients, P2P software, etc.	Less effective in blocking the use of Internet-based applications by port number.
Bi-directional load balancing	Ensures stable connectivity to the Internet (outbound traffic) and reliable access to your business website (inbound traffic).	Fails to meet the needs of company websites for inbound load balancing.
Web category filtering	Effortlessly regulates website access by eight categories and sixty-four subcategories.	Less effective in filtering website access due to simple criteria such as IP, domain, keyword, etc.
Web application firewall	Protects Web applications from attacks such as Cross-Site Scripting (XSS), SQL Injection, etc.	No protection against Web application threats.
Email auditing & archiving	Inspects emails for network policy compliance prior to delivery and archives them for long-term retention.	Neither archiving nor auditing is provided.

IPv6 Compatibility

Custom NIC Ports


SPI Firewall

Total VPN Solution

Multi-WAN Load Balancing

IDP


Anti-Virus


Anti-Spam

Email Auditing


Email Archiving


OTP Authentication

Web Filtering


WAF

AAA Server


Application Blocking

QoS

Anomaly Traffic Detection


Switch Co-Defense

UTM Series Product Comparison

Model		UTM-800	UTM-1000	UTM-1500	UTM-2500	UTM-3500
Specifications						
HDD Capacity		500GB	500GB	500GB	500GB	1 TB
Networking	No. of NIC Ports	4 GbE	4 GbE	6 GbE	10~18 GbE	10~26 GbE
	Connector Type	RJ45	RJ45	RJ45	RJ45 / Mini-GBIC	RJ45 / Mini-GBIC
	Custom NIC Ports	○	○	○	○	○
0dBA Fanless Design		○	×	×	×	×
Power Redundancy		×	×	×	×	○
Form Factor		9" Desktop	1U Rackmount	1U Rackmount	1U Rackmount	2U Rackmount
Features						
IPv6 Compatibility		○	○	○	○	○
NIC Teaming		○	○	○	○	○
Virtual WAN		×	×	×	○	○
SPI / Internal Firewall		○	○	○	○	○
Email Security	Anti-Spam / -Virus	○	○	○	○	○
	Mail Notice	○	○	○	○	○
	Archiving / Auditing	×	×	○	○	○
Viruswall	ClamAV	○	○	○	○	○
	Sophos [Optional]	○	○	○	○	○
IDP		○	○	○	○	○
Web Filtering Database [Optional]		○	○	○	○	○
Load Balancing (In- / Outbound)		○	○	○	○	○
Global / Individual / P2P QoS		○	○	○	○	○
Application Blocking		○	○	○	○	○
VPN Connectivity	IPSec / PPTP VPN	○	○	○	○	○
	VPN Trunking	○	○	○	○	○
	SSL Web VPN	○	○	○	○	○
	SSL Application	×	×	○	○	○
	Hardware Authentication	○	○	○	○	○
VLAN / VLAN Trunking		○	○	○	○	○
AAA Server		○	○	○	○	○
High Availability		○	○	○	○	○
OTP Authentication		○	○	○	○	○
WAF		×	×	×	○	○
Performance						
CPU Cores / Threads		1 / 1	1 / 1	2 / 2	2 / 4	4 / 8
Throughput	Firewall	470 Mbps	810 Mbps	1.1 Gbps	2.5 Gbps	2.9 Gbps
	IDP	420 Mbps	730 Mbps	1.0 Gbps	2.3 Gbps	2.5 Gbps
Max. Concurrent Sessions		1,000,000	1,000,000	2,000,000	2,000,000	4,000,000

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