

Unified Threat Management

NETASQ Multifunction Firewall U Series



NETASQ U120



NETASQ U250



NETASQ U450

High Performance to Secure your Future

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The U120, U250 and U450 models in the U Series are perfect for medium enterprises or for the larger subsidiaries in multi-site companies. The performance, connectivity and level of security characteristic of the U Series make these 3 models efficient and durable solutions.

Top-of-the-range performance

The U120, U250 and U450 appliances benefit from the total synergy of the hardware and software architectures (the development of security features at the heart of the network operating system). As such, they are capable of unequalled performance in terms of intrusion prevention combined with a full Gigabit connector technology. Embedded also on each U120, U250 and U450 appliance is a VPN ASIC, which ensures the secure, high-throughput interconnection of sites. Such performance, unheard of before the creation of the U Series, offers new possibilities in the way the network will be used, with total peace of mind.

Find out the technical specifications on pages 3 and 4

Guaranteeing your security

The core of the NETASQ Firewall U Series centers around its proprietary system that embeds firewall features and real-time intrusion prevention. The NETASQ engine analyzes network protocols in order to detect and block threats, and thanks to numerous behavioral analyses and different targeted signature databases (depending on the context), it delivers a very high level of security by dramatically reducing the risk of false alarms.

More information is available on <http://asq.netasq.com>

Simplicity is key

The U Series comes with an administration suite that also monitors your network environment in real time. These tools guide you step by step so that you not only save time but also fully adapt the protection to your needs. Furthermore, the suite allows you to generate automatic reports to take stock of changes in threats to your network.

SECURITY

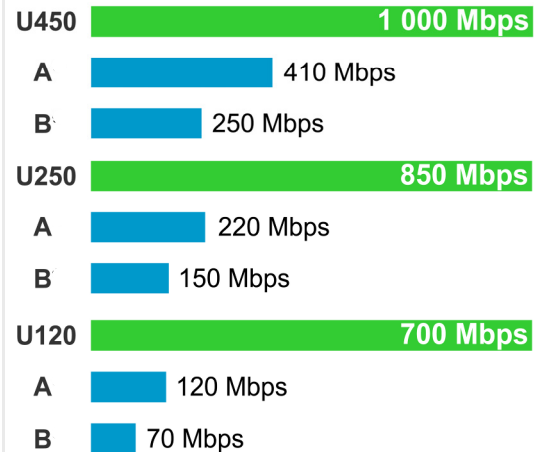


- Zero-day intrusion prevention
- Real-time risk management
- Gigabit network segmentation
- Antivirus > 200,000 virus signatures
- Antispam: up to 99% detection rate
- Pre-configured IPS engine

PERFORMANCE

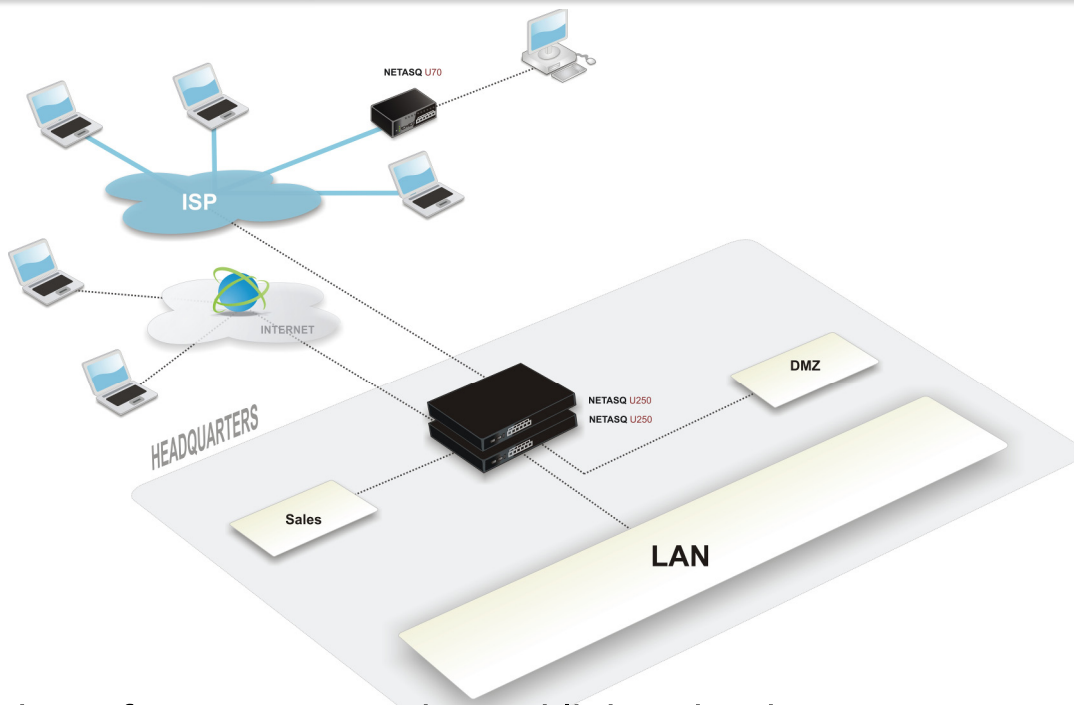


U Series vs Competitors
(A,B: products in the same price range)



Firewall+IPS Throughput





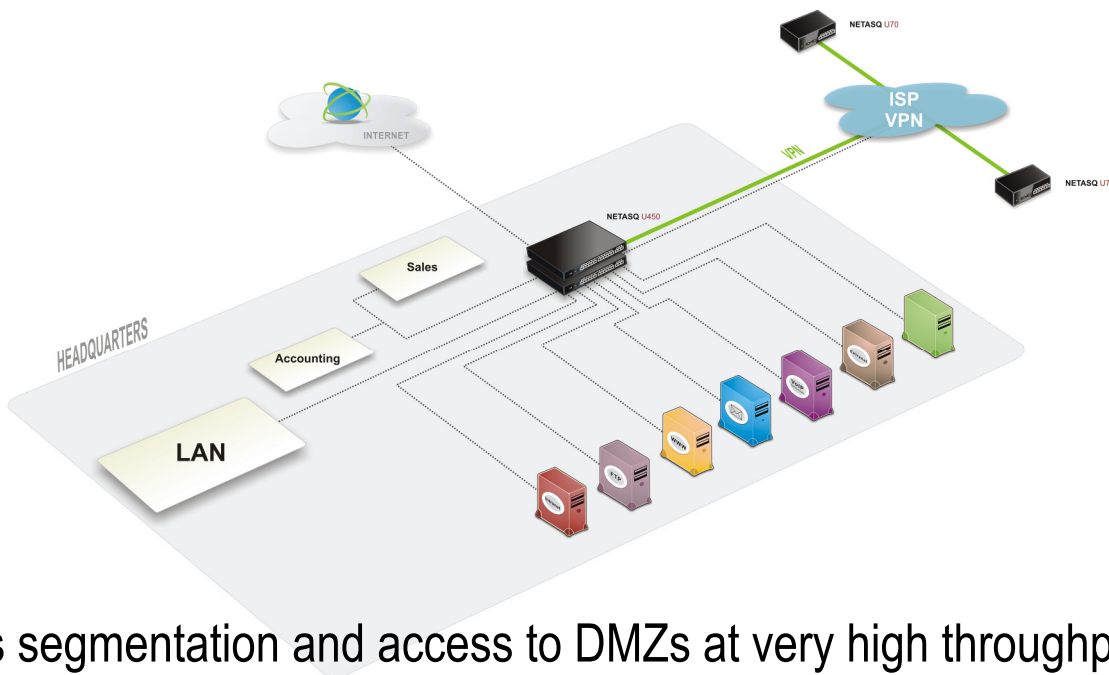
High-performance security and link redundancy

Products in the U Series provide all the features for security (Firewall, IPS, etc) and mobility (embedded PKI, IPSec and SSL VPN) that have become necessary for the proper operation of the company. Link redundancy and policy based routing enable each subsidiary to contact the central site via a dedicated link operator and to access the internet through an independent DSL.

“I am not merely interested in the detection of intrusion attacks. I am interested in preventing them and that is precisely what NETASQ’s IPS does. Hundreds of intrusion attempts have been foiled in this way every day.”

Emmanuel Laizé, network security manager, University of Poitiers

<http://www.netasq.com/en/netasq/success-story.php>



Mass segmentation and access to DMZs at very high throughput

All appliances, and in particular the U450 with its 15 gigabit interfaces, isolate each sensitive server in a dedicated and secured DMZ, with no change to the current infrastructure thanks to the transparent bridge feature. NETASQ’s performance in terms of intrusion prevention and the risk management features provide the administrator with an added guarantee.



MAIN CHARACTERISTICS*	U120	U250	U450
Gigabit Interfaces (10/100/100)	6	6	15
Fast Ethernet (10/100) Interfaces	-	-	-
Firewall + intrusion prevention throughput (Mbps)	700	850	1,000
Concurrent connections	200,000	400,000	600,000
New sessions per second	6,500	8,500	10,500
VPN ASIC	✓	✓	✓
AES VPN performance (Mbps)	160	190	225
VPN Tunnels	500	1,000	1,000
Simultaneous SSL VPN clients	256	512	512
CAPACITIES*	U120	U250	U450
Storage (GB)	70	70	70
Maximum number of filter rules	8,000	8,000	8,000
VLAN (802.1Q)	128	128	128
Simultaneous PPTP clients	96	96	96
WAN link redundancy	8	8	8
Dialup (PPPoE, PPTP, L2TP, PPP)	8	8	8
HARDWARE SPECIFICATIONS	U120	U250	U450
Racking	1U	1U	1U
Height x Width x Depth (mm)	44.4 x 487.5 x 300	44.4 x 487.5 x 300	44.4 x 487.5 x 300
Product weight / packed weight	4.8 kg (10.6 lb) / 6.0 kg (13.2 lb)	4.8 kg (10.6 lb) / 6.0 kg (13.2 lb)	5.1 kg (11.3 lb) / 6.3 kg (13.9 lb)
Power supply (AC)	230V 77W 0.475A	230V 80W 0.5A	230V 110W 0.68A
Maximum thermal dissipation (BTU per hour)	263	273	375
Cooling subsystem	2	2	2
ENVIRONMENT	U120	U250	U450
Operational temperature	10° to 35°C (50° to 95°F)		
Storage temperature	-30° to 65°C (-22° to 149°F)		
Humidity	20% to 90% (without condensation)		
FIREWALL — INTRUSION PREVENTION	U120	U250	U450
Stateful Firewall - Real-time IPS (ASQ engine)	✓	✓	✓
Protocol detection, analysis and normalization	✓	✓	✓
Behavioral and statistical protection	✓	✓	✓
Contextual signature protection	✓	✓	✓
Risk management — SEISMO	optional	optional	optional
MULTIFUNCTION FIREWALL — UTM	U120	U250	U450
SMTP, POP3, HTTP, FTP proxies	✓	✓	✓
Embedded antivirus	✓	✓	✓
Kaspersky antivirus	optional	optional	optional
Antispyware	✓	✓	✓
Reputation-based Antispam (DNS RBL)	✓	✓	✓
Heuristic Antispam analyses	✓	✓	✓
URL Filtering (15 categories)	✓	✓	✓
Openet URL Filtering (> 50 catégories)	optional	optional	optional
HIGH AVAILABILITY	U120	U250	U450
Active-Passive	✓	✓	✓
Synchronization of configurations	✓	✓	✓
Session recovery	✓	✓	✓
Hardware failure detection	✓	✓	✓

*Figures may vary according to the configuration, deployment conditions and type of traffic

Note: For certain features, updates of the software version might be necessary

NETWORK — ROUTING — QUALITY OF SERVICE	U120	U250	U450
Transparent, routed, hybrid modes	✓	✓	✓
Address translation (NAT,PAT, split)	✓	✓	✓
Static routing — Policy Based Routing	✓	✓	✓
Dynamic routing	RIP, BGP, OSPF	RIP, BGP, OSPF	RIP, BGP, OSPF
Bandwidth guarantee/limitation	✓	✓	✓
Priority-based bandwidth management	✓	✓	✓
DiffServ filtering/marking	✓	✓	✓
IPSEC VPN	U120	U250	U450
DES/3DES, AES, Blowfish	✓	✓	✓
MD-5, SHA-1, SHA-2	✓	✓	✓
IPSec NAT Traversal	✓	✓	✓
Dead Peer Detection (DPD)	✓	✓	✓
Hub & Spoke	✓	✓	✓
USERS — AUTHENTICATION — PKI	U120	U250	U450
Internal database (LDAP) - Certificate Authority	✓	✓	✓
Third-party authentication	LDAP, Active Directory, Radius, NTLM LDAP, Active Directory, Radius, NTLM		
Transparent authentication	✓	✓	✓
Microsoft SPNEGO — SSL Certificate	✓	✓	✓

FIREWALL — INTRUSION PREVENTION

- Real-time policy compliance checker
- Policy scheduling
- Automatic quarantining in case of attacks
- Protection from flooding attacks
- Protection from data evasion
- Advanced management of fragmentation
- Protection from SQL injections
- Protection from Cross Site Scripting (XSS)
- Trojan horse detection
- Protection from session hijacks
- Dedicated application analysis (plugins) : IP, TCP, UDP, HTTP, FTP, SIP, RTP/RTCP, H323, DNS, SMTP, POP3, IMAP4, NNTP, SSL, MGCP, Edonkey, SSH, Telnet ...

Management

- Role administration
- NETASQ UNIFIED MANAGER
- NETASQ REAL-TIME MONITOR
- NETASQ EVENT REPORTER
- ssh v2

Monitoring — Reporting

- Logging to Syslog servers (max 3)
- E-mail alerts
- Automatic report generation
- SNMP v1, v2, v3 (DES, AES) agent

Network services

- DHCP client and server
- NTP client
- DNS cache proxy

Options

- Kaspersky: Antivirus, Antispyware, Antispam
- Optenet: Web (URL) filtering
- NETASQ SEISMO: Risk management

Certifications

NETASQ products have been awarded Level EAL2+ international common criteria V2.2 certification under real usage conditions (international standard ISO 15408 and ISO 18045). The target of evaluation embeds firewall, intrusion prevention and VPN functions as well as the administration protocol and log module.



NETASQ is furthermore the first firewall vendor to have obtained a backing from French authorities on the encryption services (VPN) that its products offer.



NETASQ U120



NETASQ U250



NETASQ U450

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