



# NETASQ NG SERIES

## PROTECTION, PERFORMANCE, CONTROL

### KEY BENEFITS OF THE NG SERIES

- Security without compromise
- Multi-gigabit performance
- Proven and certified
- Future-proof

### INDEPENDENT CERTIFICATIONS



### REFERENCES

More than 75,000+ firewalls deployed with our clients, including:

- Ministries
- Universities
- Banks
- Telecom operators
- Manufacturers & Retailers

### INTRUSION PREVENTION

The patented innovations of NETASQ's Intrusion Prevention Engine (IPS) provide effective responses for all circumstances. For example, proactive inspection to block SQL injection attacks, embedded since the earliest versions of NETASQ's solutions, have effectively blocked more than 2,000 attacks over the past three years.

### APPLICATION CONTROL

Going beyond the application firewall, NETASQ's application IPS, an unparalleled technological innovation on the market, effectively detects and eliminates threats to web applications such as Facebook or Gmail, on the fly.

### SSL INSPECTION

Unlike many solutions that restrict themselves to HTTPS traffic, NETASQ's SSL inspection covers several protocols. All traffic encapsulated in SSL is sent to the threat prevention engine.

### HIGH AVAILABILITY

In addition to hardware redundancy components (power supply, RAID), NETASQ's high availability enables an operational transfer between two firewalls in less than a second. In many situations, even the most serious incidents go unnoticed.

### HARDWARE ACCELERATION

Using hardware acceleration for encryption, NG appliances deliver multi-gigabit performance.

### SOFTWARE ACCELERATION

NETASQ's architecture combines the performance of hardware acceleration with the flexibility of software development. For the same inspection, only half the resources of a classic architecture are consumed: a genuine "software ASIC".

### IPSEC & SSL VPN

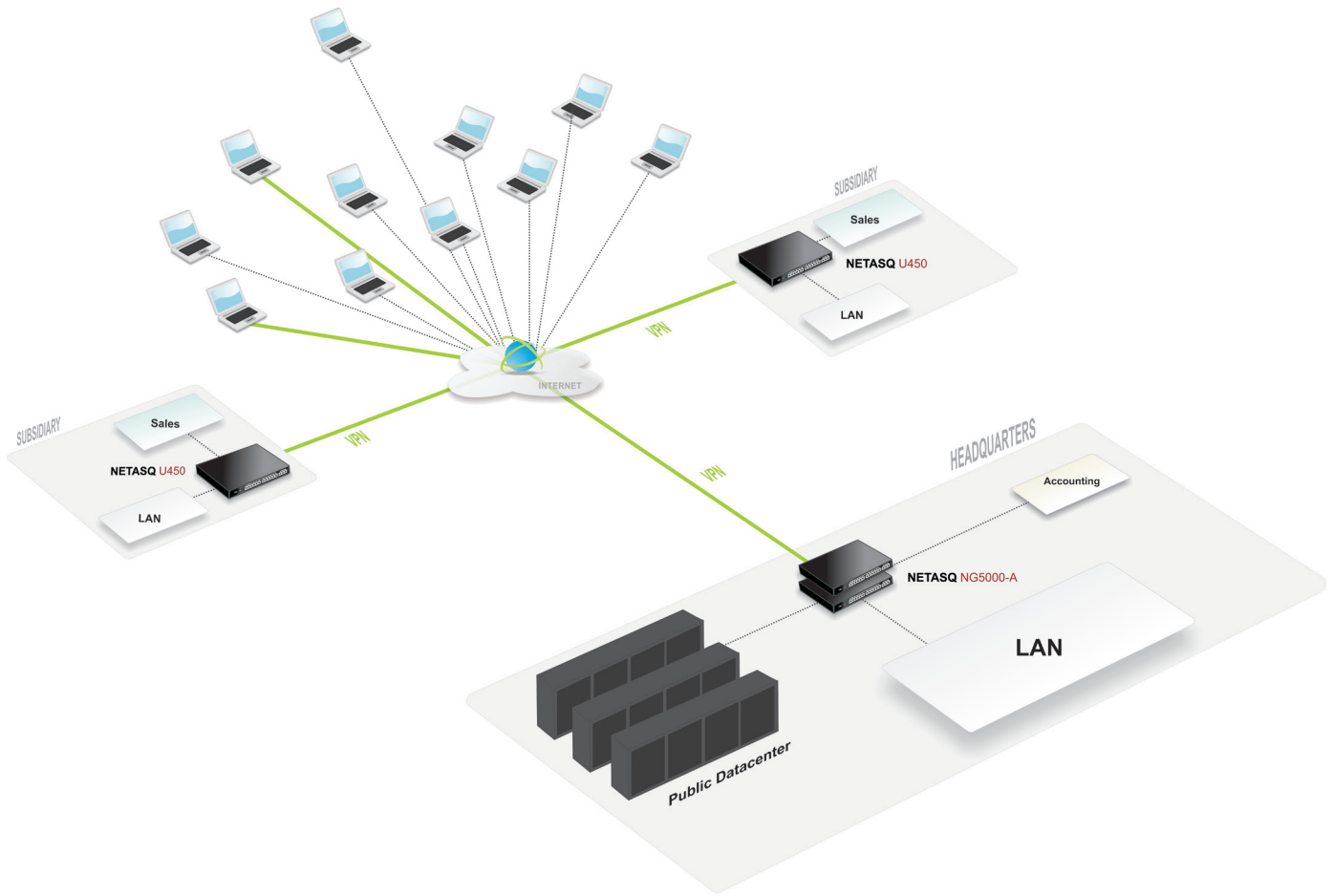
IPSec and SSL VPN features allow administrators to take control of their network infrastructures, easily linking sites together and providing secure access to mobile users.

### VULNERABILITY MANAGEMENT

Thanks to a unique patented technology, NETASQ's solutions alert you when vulnerabilities are detected and direct you to applicable fixes, should they exist.

### "DESIGNED BY NETASQ"

All products in the range were devised and developed by NETASQ's R&D team, then manufactured in France and in Germany. Total control over design, combined with selection of the best components, guarantee the highest level of quality and performance.

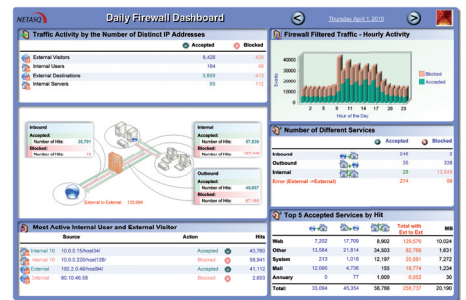


## PROTECTION OF HEADQUARTERS AND THE DATA CENTER

NETASQ's NG series is the ideal response for companies which need to protect sensitive resources at the heart of their broadband infrastructures. Its attack prevention engine is particularly adapted to protection from targeted attacks.

Hardware redundancy and high availability on each appliance guarantee peace of mind and business continuity.

Administrators will even be able to monitor activity on their networks with the help of intelligent monitoring and reporting tools.



### MANAGEMENT & REPORTING

NETASQ firewalls come with a full suite of administration solutions:

- Real-time monitoring
- Centralized management
- Automatic report generation

### ONE RANGE FITS ALL

NETASQ's range of firewalls addresses the protection needs of companies of all sizes.

Perfect compatibility between every system guarantees fluid and powerful interconnections.

<b>PERFORMANCE*</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
Firewall + Intrusion prevention performance	7 Gbits/s	13.5 Gbits/s
AES VPN performance	1.5 Gbits/s	3 Gbits/s
Concurrent connections	1,000,000	2,500,000
New sessions per second	75,000	100,000
Number of users	Unlimited license	Unlimited license
<b>PROTECTION</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
ASQ intrusion prevention engine	✓	✓
Protection from threats	10 000+	10 000+
Application detection and filtering	✓	✓
SSL inspection	✓	✓
Vulnerability detection	Optional	Optional
<b>CONTROL</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
Web management interface	✓	✓
Object-oriented security policy	✓	✓
Real-time configuration help	✓	✓
Intelligent administration privileges	✓	✓
Global/local security policy	✓	✓
<b>NETWORK CONNECTIVITY</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
10/100/1000 interfaces (default/ max)	8/14	16/22
Number of optional modules	1	1
Optional interface modules	4 or 6 x 10/100/1000 2 x Giga fiber - 2 x 10 GbE fiber	4 or 6 x 10/100/1000 2 x Giga fiber - 2 x 10 GbE fiber
Additional dedicated interfaces (management, HA)	2	2
<b>SERVICE CONTINUITY</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
Redundant power supply	✓	✓
Disk redundancy (RAID1)	Optional	✓
Double system partition	✓	✓
<b>HIGH AVAILABILITY (HA)*</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
Active / passive	✓	✓
Configuration synchronization	✓	✓
Synchronization of user sessions	✓	✓
Hardware failure detection	< 1 second	< 1 second
Link failure detection	< 1 second	< 1 second
Redundant high availability link	✓	✓
<b>CAPACITIES</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
IPSec VPN tunnels (Max)	5,000	10,000
Concurrent SSL VPN connections	1,024	2,048
No. of VLANs (Max)	256	512
Storage	70 GB	70 GB
WAN link redundancy (max)	12	12
Simultaneous PPTP clients (max)	192	192
<b>NETWORK – ROUTING – QOS</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
Transparent, routed, hybrid modes	✓	✓
Policy-based routing (PBR)	✓	✓
Dynamic routing	RIP, BGP, OSPF	RIP, BGP, OSPF
Bandwidth guarantee/limitation	✓	✓
<b>VPN</b>	<b>NG1000-A</b>	<b>NG5000-A</b>
DES, 3DES, AES, Blowfish / MD5, SHA1, SHA2	✓	✓
IPSec NAT Traversal – Dead Peer Detection	✓	✓

HARDWARE SPECIFICATIONS AND ENVIRONMENT	NG1000-A	NG5000-A
Racking	1U – 19"	2U – 19"
Height x Width x Depth (mm)	45 x 660 x 431	89 x 660 x 431
Weight	12 kg (26.5 lbs)	17 kg (37.5 lbs)
Packaged Height x Width x Depth (mm)	250 x 780 x 550	250 x 780 x 550
Packaged weight	18.5 kg (40.8 lbs)	24.5 kg (54.1 lbs)
Power supply (AC) – hot-swappable	2 x110-240V 230W 1.35A	2 x110-240V 230W 1.75A
Thermal dissipation (maximum, BTU per hour)	785	1 025
Operational temperature	10° to 35°C (50° to 95°F)	10° to 35°C (50° to 95°F)
Storage temperature	-20° to 65°C (-4° to 149°F)	-20° to 65°C (-4° to 149°F)
Humidity	20% to 80% (without condensation)	20% to 80% (without condensation)
CERTIFICATIONS	NG1000-A	NG5000-A
CE, EN60950, RoHS, EAL4+	✓	✓

\* Performance may vary according to test conditions. Non-contractual document.

### APPLICATION FIREWALL - INTRUSION PREVENTION

Dedicated application analysis (+30)  
 User firewall, application firewall  
 Automatic quarantining in the event of attacks  
 Protection from DoS (Denial of Service) attacks  
 SYN proxy  
 Protection from SQL injections  
 Protection from Cross Site Scripting (XSS)  
 Trojan horse detection  
 Protection from session hijacks  
 Protection from data evasion  
 Advanced management of fragmentation  
 Scheduling by rule

### UNIFIED SECURITY

Antispam: reputation-based analysis - heuristic engine  
 Embedded antivirus  
 Web filtering  
 ICAP: Request Mode - Response Mode  
 Antivirus Kaspersky Labs® (optional)  
 Optenet® URL filtering: >60 categories (optional)  
 Vulnerability detection (optional)

### NETWORK SERVICES

QoS: diffServ, priority, bandwidth guarantee/limitation  
 DHCP client, server and relay  
 NTP client, DNS cache proxy  
 Modem compatibilities (dialup): PPPoE, PPTP, PPP

### MANAGEMENT

Logging to Syslog servers (max 3)  
 SNMP v1, v2, v3 (AES, DES) agent  
 E-mail alerts  
 NETASQ Real-Time Monitor  
 NETASQ Global Administration



## About NETASQ

With over 75,000 unified threat management firewalls deployed to business, government and defence organisations of all sizes, NETASQ delivers solutions of unrivalled performance, protection and control and the most comprehensive EU and NATO certifications of any firewall.

For further information: [www.netasq.com](http://www.netasq.com)

FRANCE Paris +33 1 46 21 82 30 france@netasq.com	BENELUX & NORDICS Breda +31 76 8883022 benelux@netasq.com	IBERICA Madrid +34 91 761 21 76 iberia@netasq.com	ITALIA Milano +39 02 7253 7249 italia@netasq.com	UK London +44 207 092 6682 uk@netasq.com	DACH München +49 89 20 300 6320 dach@netasq.com	MIDDLE EAST & AFRICA +971 50 5573 746  INTERNATIONAL international@netasq.com
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