



NG1000-A & NG5000-A

NETASQ GATEWAYS FOR ENTERPRISE BUSINESS CONTINUITY

NG1000-A and NG5000-A are designed to meet the needs of large organizations.

Both the NG1000-A and the NG5000-A have been designed to protect high traffic e-commerce servers and dynamic university networks or as an IPS probe. They are equally suitable for secure high-speed Internet access and to protect critical data centers.

NETASQ's powerful administrative tools give you a single overview of the company's entire security policy, even when it covers many different sites. You can easily set up and monitor all your user access points and VPN interconnects.

BENEFITS

Security without compromise
Exceptional performance
Service continuity
Scalability

SERVICE CONTINUITY

Every enterprise needs a quality security solution. However, the impact of any incident is amplified when a Group Head Office, a data center or a server processing orders is affected. 99.99% service continuity may sound impressive, but for the IT administrator that still means 1 hour of downtime per year.

The NG1000-A and NG5000-A Firewalls offer multiple redundancy features to ensure continuous network availability:

- Dual PSU
- The security of RAID
- Partition system safeguard
- High Availability

TARGETED PROTECTIONS

Targeted attacks are a permanent threat, particularly to growing companies and high profile sites. For over 10 years, NETASQ's patented IPS technology has delivered exceptional levels of protection against Zero-Day threats for the most demanding major organizations.

Level EAL4+ International Common Criteria V3.1 Certification guarantees that NETASQ products meet the most rigorous specifications. Automatic updates for all

protections ensure complete protection against current and future threats.

EXCEPTIONAL PERFORMANCE

Both the NG1000-A and the NG5000-A are based on the most up-to-date architecture with NETASQ's IPS engine embedded in the operating system.

They include support for IPS throughputs of up to 8.5 Gigabits per second and real-time processing ensures minimal latency to support high quality VoIP communications.

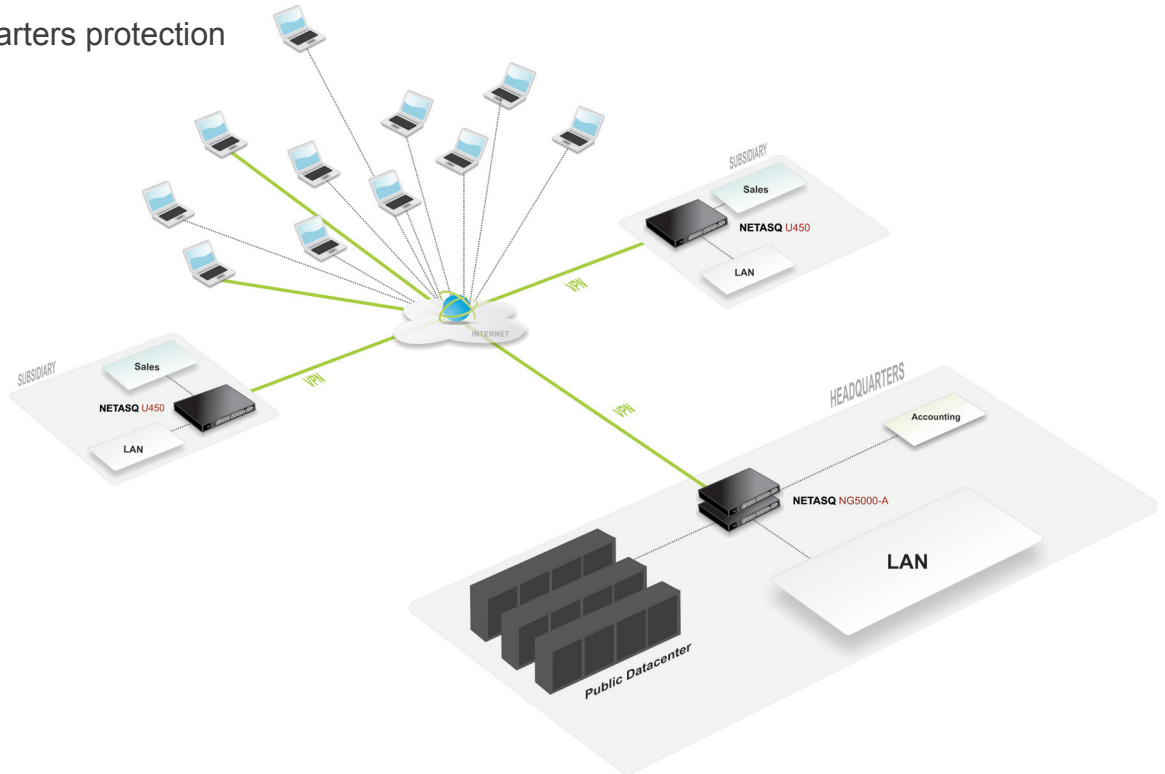
MODULARITY

Budget is an issue for every organization. The modular design of the NG1000-A and NG5000-A enables administrators to remain flexible and to respond quickly to changes in their network requirements.

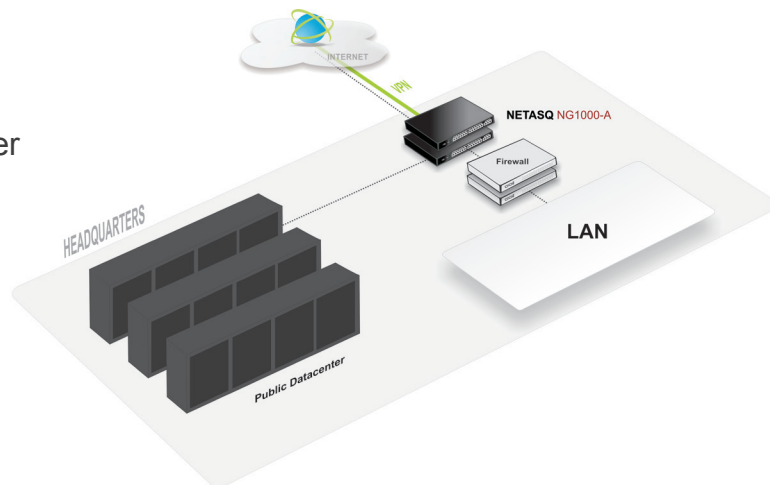
CERTIFICATIONS



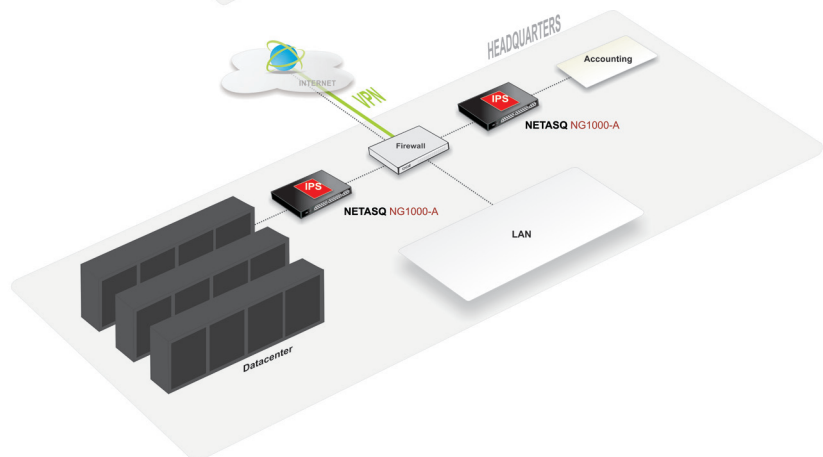
Use case #1 Enterprise Headquarters protection



Use case #2 First line of defence for a data center



Use case #3 Intrusion prevention probe



PERFORMANCE	NG1000-A	NG5000-A
Firewall+IPS performance (max)	4.5 Gbps	8.5 Gbps
AES VPN performance	1 Gbps	1.5 Gbps
Concurrent connections	1,000,000	2,500,000
New sessions per second	50,000	75,000
IPSec VPN tunnels (max)	5,000	10,000
Simultaneous SSL VPN connections	1,024	2,048
VLAN (Max)	256	512
Number of users	Unlimited license	Unlimited license
NETWORK CONNECTIVITY	NG1000-A	NG5000-A
10/100/1000 interfaces (default/ max)	8/14	16/22
Extension slot	1	1
Optional interface modules	4 or 6 x 10/100/1000 2 x Giga fiber 2 x 10 GbE*	4 or 6 x 10/100/1000 2 x Giga fiber 2 x 10 GbE*
Additional interfaces dedicated to management or high availability	2	2
SERVICE CONTINUITY	NG1000-A	NG5000-A
Redundant power supply	✓	✓
Disk redundancy (RAID1)	Optional	✓
Double system partition	✓	✓
HIGH AVAILABILITY (HA)	NG1000-A	NG5000-A
Active / passive	✓	✓
Configuration synchronization	✓	✓
Session synchronization	✓	✓
Hardware failure detection	✓	✓
Link failure detection	✓	✓
Double high availability link	✓	✓
CAPACITIES	NG1000-A	NG5000-A
Storage	70 Gb	70 Gb
WAN link redundancy (max)	12	12
Simultaneous PPTP clients (max)	192	192
INTRUSION PREVENTION (IPS)	NG1000-A	NG5000-A
IPS engine embedded in the operating system	✓	✓
Threat prevention	10,000+	10,000+
Zero-day protection	✓	✓
APPLICATION FIREWALL – USER	NG1000-A	NG5000-A
Application detection	✓	✓
User-based security policy	✓	✓
Transparent authentication (SSO)	✓	✓
NETWORK – ROUTING – QoS	NG1000-A	NG5000-A
Transparent, routed, hybrid mode	✓	✓
Policy-based routing (PBR)	✓	✓
Dynamic routing	RIP, BGP, OSPF	RIP, BGP, OSPF
Bandwidth guarantee/limitation	✓	✓

VPN	NG1000-A	NG5000-A
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 431 x 660	89 x 431 x 660
Weight	21 kg (46.2 lbs)	26 kg (57.2 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	✓	✓

APPLICATION FIREWALL — INTRUSION PREVENTION

Dedicated application analysis (+30): IP, TCP, UDP, HTTP, FTP, SIP, RTP/RTCP, H323, DNS, SMTP, POP3, IMAP4, NNTP, SSL, MGCP, Edonkey, SSH, Telnet ...
User-based Firewall, Application Firewall
Automatic quarantining in the event of attacks
Protection from DOS (Denial Of Service) attacks
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
Real-time policy compliance checker
Hourly policy scheduling

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)
NETASQ SEISMO real-time vulnerability analysis (optional)

NETWORK SERVICES

QoS: diffServ, priority, bandwidth guarantee/limitation
DHCP client and server
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



For further information
www.netasq.com

About NETASQ

NETASQ is a growth and innovation private technology company, focused on delivering the highest level of network security to all its customers from simple structures to large private and public organizations.

The company was established in 1998. It is one of the leading European network security vendors with more than 55,000 appliances sold to date via a distribution channel of more than 750 partners in 40 countries.

Our solutions give our customers assurance that a security threat will never jeopardize their activity. We enable business continuity and contribute to their success as they can focus 100% of their effort on growing their business. As computing threats grow more prevalent, dangerous and diverse we continue to develop innovative solutions to protect our customers' data, their communications and their network.

