

NETASQ F1200

When speed matters



F1200: Performance, reliability and administration

NETASQ's range of UTM products continues to expand and build upon functional and technical improvements that make this mid-range offering the most effective multi-threat appliance in its class. The F1200 has 10 Gigabit interfaces and throughput can get as high as 1.6 Gigabits per second! It responds to the expectation in fast-growing businesses that networks should be fully protected without impacting performance – the F1200 fulfils requirements for bandwidth, speed and throughput. NETASQ's F-Series family of security appliances are designed to address the requirements of organisations of every size.

The F1200 is ideal for organisations of up to 1000 connected employees seeking optimum protection within high-performance architectures.

Studies show that the majority of attacks originate from inside the corporate network. Therefore, being able to segment the network into trusted zones is no longer an option. How zones are distributed is entirely up to the administrator – according to department, floor, server, etc. The UTM appliance is a mandatory intersection when crossing from one zone to another. Each zone on the network is afforded maximum protection with throughput in Gigabits, making the F1200 the obvious choice for medium and large structures seeking to segment their networks without compromising on performance.

Main advantages of NETASQ solutions

Advantages	Details	Benefits
UTM approach	NETASQ products include numerous features in a single appliance, such as firewall, IPS, VPN, Quality of service, Antivirus, Antispam, URL filtering, and many more.	Affordability and the guarantee of the different security functions operating in perfect accord.
Simplified yet comprehensive product range	Firewall , VPN, intrusion prevention, antivirus, antispam and web filtering are built-in on NETASQ products, dispensing with the hassle of their individual installations.	No unpleasant surprises or hidden costs in upgrading to another level of security.
Leading solution in IPS	ASQ is NETASQ's patented innovative intrusion prevention engine which allows for the anticipation and prevention of most attacks through the intelligent combination of different, yet complementary analyses.	The risk of the enterprise falling victim to an attack is greatly reduced because current and future attack methods are already anticipated.
Comprehensive and intuitive administration suite	NETASQ's administration suite contains many configuration helpers and is provided at no additional charge with the purchase of a product. The intuitive monitoring and reporting tools enable generating very detailed and specific data.	Less time is spent on administrative tasks, thereby cutting down on the company's security expenses.

Features supported on the NETASQ F1200 UTM appliance

Network and Filtering Features

- Routed, translated, bridged and hybrid mode
- Routing by interface
- Dynamic routing (RIP, BGP, OSPF)
- Support for up to 128 VLANs
- Built-in Dialup router (PPTP, PPPoE, PPP)
- Address Translation (NAT, 1 to 1, PAT and Split)
- Time Scheduling
- Policy rule (NAT, filter, URL) compliance checker
- xDSL High Availability and Load Balancing
- Support for up to 12 xDSL or Dialup modems
- Dynamic bandwidth management
- Quality of Service management (Stateful QoS)
- Alias IP support (multiple IP addresses per interface)

Intrusion Prevention System (ASQ)

- ASQ Real Time Intrusion Prevention
- Protocols supported by ASQ (IP, TCP, UDP, HTTP, FTP, DNS, RIP, H323, Edonkey, SSL, SSH, Telnet, SMTP, POP3, IMAP4, NNTP, etc.)
- Multi-layer analysis (protocol and application layers)
- Blocks known and unknown attacks with or without context
- Flooding protection (ICMP, UDP and TCP)
- Blocks data evasion
- Protection from Trojan horses/backdoors
- Session hijack protection
- Contextual Signatures with automatic updates
- Permanent and temporary quarantining
- P2P and Instant Messaging application filters
- Antispyware Protection
- Protection from vulnerability scanners

IPSEC Features

- Supported VPN protocols: IPsec and PPTP
- Supports up to 64 PPTP VPN clients
- Up to 256 bit encryption supporting DES, 3DES, AES, CAST128 and Blowfish
- SHA-1 & MD5 Authentication
- Authentication by pre-shared keys, X509 certificates or static
- Hub & Spoke VPN
- Gateway – Gateway VPN tunnels
- Client - Gateway VPN tunnels
- VPN Keep-alive
- Dead Peer Detection
- NAT-Traversal (UDP 500 and 4500)

SSL VPN features

- Clientless SSL VPN access supported
- WEB Mode: access to web servers
- Full Mode: access to applications via JAVA applets
- User profile management

High Availability

- Active / Passive
- Configuration synchronisation
- Session replication
- Detection of technical failures

(1) Requires a compatible USB key.

Antivirus Features

- Embedded Kaspersky Antivirus (SMTP, POP3, HTTP)
- SMTP Proxy forwarding
- HTTP Proxy forwarding
- Automatic updates

Antispam

- DNS Blacklisting
- Combined heuristic analyses

Authentication

- Single-Sign-On supported
- LDAP Authentication (Internal and External)
- Windows Authentication (NT4 – NTLM and WIN2K Kerberos)
- Radius
- Internal PKI CA & CRL
- External PKI compatibility
- Web enrolment (creation of users and certificates)

Services

- HTTP Proxy - URL filtering
- ICAP support for URL filtering
- SMTP Proxy
- POP3 Proxy
- DynDNS
- DNS Cache Proxy
- SNMP v1, v2 and v3
- NTP support
- Internal DHCP Server
- Automatic update of the firmware and administration software
- Secure configuration ⁽¹⁾

Logging / Monitoring

- E-mail notification
- SNMP v1, v2 and v3
- Real Time Monitor
- Syslogging
- Internal Log Storage
- Historical Reporting
- Packet Dumping

Management

- Firewall Manager (Windows Interface)
- Firewall Monitor (Windows Interface)
- Firewall Reporter (Windows Interface)
- Global Administration for 5 appliances
- Syslog, SSHv2, Console

Options

- Kaspersky Antivirus
- Optenet URL filtering

Optional software suite

- NETASQ Global Administration unlimited version



Specifications and performance for the NETASQ F1200 UTM appliance

IPS-Firewall performance (with IPS)	1.6 Gbps
AES VPN performance	210 Mbps
100 Base T Interface (copper)	n/a
1000 Base T Interfaces (copper)	10
Simultaneous connections	600,000
Max. no. of filter rules	16,384
Max no. of IPSec VPN tunnels	3,750
SSL VPN Tunnels	512
Max. no. of users	Unlimited

Hardware Specifications

Max no. of Ethernet ports	n/a
Max no. of Gigabit ports	10
Max no. of interfaces	10
Storage	74GB 10,000 RPM SATA
Dimensions (mm)	490 x 400 x 44, 1U / 19"
Weight (kg)	8.7
Power supply (W)	260
Cooling Subsystem	4 internal fans
Control connection	RS-232C serial port VT100 Emulation Mini-din keyboard + VGA screen

Environment

Operational temperature	5° to 35°C
Non-operational temp	-30° to 65°C

Certifications

Common Criteria	EAL 2+
ICSA Labs	v4.0

