

NETASQ F60

Plug-n-Secure



F60 – CONTROL AND HIGH LEVEL OF SECURITY

Already making a name for itself as a “plug-n-secure” platform, the F60 has emerged as one of NETASQ’s most promising performers. The primary reason for this early acceptance comes from NETASQ’s ability to put into its latest appliances all the knowledge gained from nearly ten years of catering to small-to-medium businesses. We have taken an internal best-of-breed approach by combining the proven elements of our own F25 and F50 appliances with established components from in the small appliance category. For example, the F60 uses the switch from the F25 appliance because it has demonstrated consistent reliability. The segmentation enabled with the appliances’ 4 logical ports offers high modularity and upgradeability.

The F60 is the ideal product for smaller businesses seeking to break free from external hosting solutions and be more autonomous in managing the critical aspects of their network architecture and sensitive systems such as the mail service or the website. Its compatibility with the NETASQ Global Administration software makes the F60 all the more appealing to companies wanting to entrust the management of their network’s security to a certified service provider.

The development of this product was motivated by two main factors – the requirement small-to-medium businesses have for the integration of multiple security features in one product and an attractive total cost of ownership.

Main advantages of NETASQ solutions

Characteristics	Advantages	Benefits
UTM approach	NETASQ products include numerous features in a single appliance, including firewall, IPS, VPN, Antivirus, Antispam, URL filtering, and many more.	Attractive total cost of ownership and the guarantee that the different security functions co-operate effectively.
Simplified product range	Every NETASQ product is pre-loaded with the same high level of security functionality.	No unpleasant surprises or hidden costs in upgrading to another level of security.
Leading solution in the IPS field	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	A suite of administration tools is provided with any product in the NETASQ range. This intuitive software suite allows the installation, configuration, maintenance and supervision of any NETASQ product.	These easy-to-use and intuitive graphical interfaces enable a quick installation and configuration as well as a coherent administration, thereby increasing the ability to implement a policy.

Features supported on the NETASQ F60 UTM appliance

Network and Filtering Features

- Routed, translated, bridged and hybrid mode
- Routing by interface
- Support for up to 16 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 4 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
- ASQ Plugins (HTTP, FTP, DNS, RIP, H323, EMule, SSL, SSH, Telnet, SMTP, POP3, IMAP4, NNTP, generic, etc.)
- Attack prevention in VPN tunnels
- Multi-layer analysis (protocol, connection, session 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
- Protection from OS detection
- Session hijack protection
- Contextual Signatures with automatic updates
- Dynamic blacklisting
- Permanent and temporary quarantining
- P2P and Instant Messaging application filters
- Antispyware

IPSEC VPN and PPTP Features

- Supported VPN Protocols: IPSec & PPTP
- Supports up to 16 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)

High Availability

- Active / Passive
- Configuration synchronization
- Session replication

Antivirus Features

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

Antispam

- DNS Blacklisting

Authentication

- Single-Sign-On supported
- LDAP Authentication (Internal and External)
- Windows Authentication (NT4 – NTLM and WIN2K Kerberos)
- Radius authentication
- External PKI compatibility

Services

- HTTP Proxy - URL filtering
- ICAP support for URL filtering
- SMTP Proxy
- POP3 Proxy
- DynDNS
- SNMP v1, v2 and v3
- 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
- Historical Reporting
- Packet Dumping

Management

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

Options

- Kaspersky Antivirus

Optional software suite

- NETASQ Global Administration unlimited version



⁽¹⁾Requires a compatible USB key.

Specifications and performance for the NETASQ F60 UTM appliance

IPS-Firewall performance (incl. Intrusion prevention)	115 Mbps
AES VPN performance	16 Mbps
100 Base T Interface (copper)	4 (3 + 1 4 ports switch)
1000 Base T Interface (copper)	n/a
Simultaneous connections	15,000
Max. no. of filter rules	512
IPSec VPN tunnels	100
SSL VPN Tunnels	5
Max. no. of users	unlimited (Recom. : 50)

Hardware Specifications

Max no. of Ethernet ports	7
Max no. of Gigabit ports	n/a
Max no. of interfaces	4
Storage	128 MB Compact Flash
Dimensions (mm)	213 x 210 x 44, 1U / 0.5 19"
Weight (kg)	1.5
Power supply (W)	27, external
Cooling Subsystem	None
Control connection	RS-232C serial port VT100 Emulation

Environment

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

Certifications

Common Criteria	EAL 2+
ICSA Labs	v4.0

