

NETASQ F50

Plug-n-Secure



F50 : TRANSPARENCY AND DMZ

Blending easily into an installed network architecture, NETASQ's F50 appliance protects the network and its users without the need for a long and tedious installation phase that may disrupt the company's activity. Although its operation is transparent to users, there is no compromise where efficiency is concerned, as it integrates numerous security features such as a stateful firewall, real-time intrusion prevention system, IPSec VPN hub and content filter system (antispam, antivirus and URL filter).

NETASQ's F50 UTM appliance, the first 3-port product in its range, enables the setup of a DMZ (de-militarized zone), which contains all the private servers that can be accessed from outside the network, while preserving the security of the internal network, making the appliance ideal for small structures seeking to keep their website and mail servers inside the company.

SMALL STRUCTURE range

The products we offer for small structures have been developed based on two main criteria: an extremely low total cost of ownership (including the purchase price of the appliance, costs involved in maintenance, installation and administration) and numerous built-in features. A full range of UTM products adapted to small structures is available through NETASQ's network of local distributors.

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 F50 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
- Protocols managed by ASQ : HTTP, FTP, DNS, RIP, H323, EMule, SSL, SSH, Telnet, SMTP, POP3, IMAP4, NNTP, etc.
- Protocol and application analyses
- Blocks known and unknown attacks
- Flooding protection (ICMP, UDP and TCP)
- Blocks data evasion via traffic reconstitution and decoding
- Detection of Trojan horses
- Session hijack protection
- Contextual Signatures with automatic updates
- Permanent and temporary quarantining
- P2P and Instant Messaging application filters
- Anti-spyware protection
- Protection from vulnerability scanners

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
- ESP
- SHA-1 & MD5 Authentication
- IKE Certificate Authentication
- Pre-shared keys, PKI certificates, Static
- Hub & Spoke VPN
- Gateway – Gateway tunnels
- Client - Gateway 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)
- 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
- 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⁾ Depending on the appliance's generation. Requires a USB port on the appliance and a compatible USB key.

Specifications and performance for the NETASQ F50 UTM appliance

IPS-Firewall performance (incl. Intrusion prevention)	100 Mbps
AES VPN performance	16 Mbps
100 Base T Interfaces (copper)	3
1000 Base T Interfaces (copper)	n/a
Simultaneous connections	15,000
Max. no. of filter rules	512
IPSec VPN tunnels	100
SSL VPN Tunnels	No
Max. no. of users	unlimited (50 recomm.)

Hardware Specifications

Max no. of Ethernet ports	3
Max no. of Gigabit ports	n/a
Max no. of interfaces	3
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 ICSA Labs	EAL 2+ v4.0
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