

Netrhino



Cost Effective UTM Solution

Highlights:

- HTTP/HTTPS Web GUI
- Stateful Packet Filter
- Load Balancer
- Management Terminal
- Content Filtering
- Captive Portal
- Firewall
- ALG Traffic Shaping
- Mail filter
- VPN
- Reporting

The Netrhino UTM Firewall appliance is a network security tool that easily integrates your existing IT infrastructure, providing topnotch features to help you focus on your business instead of spending valuable time handling IT security issues.

Powered by a unix core, the Netrhino provides 5 x fully configurable 10/100 Mbps Ethernet interfaces and 1 x 10/100/1000 Mbps Ethernet interface allowing Network administrators to create multiple LANs, DMZs, WAN links and physical network zones as it suits their needs.

The Netrhino also integrates a transparent proxy and caching engine with a flexible content filter which scans http content for potential viruses and malware. A robust black list based filter allows blocking out websites or specific URLs from being accessed by systems protected by the Netrhino. To alleviate the eternal race between new content appearing on the WWW and updating black lists, the Netrhino allows administrators to filter content based on keywords found in a web page. The Netrhino device can be configured to allow selective access to the WWW with user-authentication either via a locally-administered user account system or by fetching authentication information from an existing LDAP or Radius server in your company.

The Netrhino offers the ability to load balance connections on a round-robin basis, providing a highly efficient system for distributing network load on WAN or LAN links.

To ensure your business continuity, the Netrhino offers a failover solution where a backup device is ready to assume responsibility for taking over, should your primary device fail.



Key Features

GENERAL

- HTTP/HTTPS web interface to appliance.
- 6 ethernet connections
- Multi-WAN support (Policy routing and load balancing)
- Supports 802.1Q VLAN tagging
- PPPoE, PPTP, Telstra BigPond cable support on WAN
- Configuration backup/restore
- Filtering Bridge mode
- Quick setup wizard

CONTENT FILTERING

- Transparent proxy or non-transparent proxy mode
- Radius, Local, LDAP, Active Directory proxy authentication
- Filtering policy groups based on authentication
- Site/URL/black listing/whitelisting
- Extension/mime-type filtering
- Black listed/Whitelisted LAN hosts
- Live virus scanning on HTTP content
- Site/extension/URL/mime-type virus scanning exclusions
- Keyword-based HTTP filtering (5 levels of tuning)
- Keyword group black listing/whitelisting
- Tunable proxy caching
- Download/Upload file size limit
- Upsream proxy support with proxy-authentication
- Upsream proxy hostname/use name forwarding
- Local authentication management interface

MANAGEMENT TERMINAL

- Interface assignment and IP addressing
- General debugging and maintenance tools
- Reboot/Alt, ping, firewall logs, proxy logs etc.

CAPTIVE PORTAL

- Open/Local/RADIUS authentication
- HTTP/HTTPS login interface
- Whitelisted pass through MAC addresses
- Banned Source/Destination IP addresses
- Administrator defined custom portal page
- Portal User Management
- Credentials expiration date

FIREWALL

- Stateful packet filtering
- Logging
- Connection rate limiting/OS-type filtering
- Initial Sequence Numbers (ISNs)/TCP SYNFLOOD protection
- Inter-firewall rule synchronisation for failover
- Multi-WAN Policy routing based on firewall rules
- NAT/PAT (including 1:1 NAT)
- Incoming/outgoing load balancer pools

ALTO TRAFFIC SHAPING

- Packet matching based on IP TOS values
- Low delay, throughput, reliability, congestion TOS support
- SYN, ACK, FIN, RST, PSH, URG TCP flags settings.
- RED, RED10, ECN, ACK/Low delay schedulers
- HFS (Hierarchical Fair Service Curve) queueing
- Traffic shaper wizard allows quick shaping of VoIP, P2P, Gaming and comm only used protocols.
- Queue graphs

NETWORK PROTOCOLS

- TCP, UDP, ICMP, ESP, AH, GRE, IPv6, IGMP etc.

MAIL FILTER

- Mail filtering gateway
- Connection logging
- SMTP rate limiting
- Greylist (delaying) support
- RBL service provider support
- Virus scanning engine
- Attachment filtering (blocked, trusted and scanned)
- Spam filter

VPN

- IPSEC, OpenVPN
- PPTP VPN pass through

REPORTING

- RRD bandwidth usage graphs on individual ethernet interfaces.
- SVG real-time bandwidth usage graph
- Web access reports (top users, top sites, lan host remote, hosts stats, data transferred, time frame, denied content etc.)

SERVICES

- DHCP server, DHCP client, Dynamic DNS Clients supporting RFC 2136 dynamic updates
- Wake-on-LAN client
- DHCP relay
- DNS forwarder
- SNMP V1 server supporting MibII, NetGraph and PF modules.
- SNMP traps to remote server

Processor : VIA Eden 1 GHz

RAM : 512 MB

Storage : 40 GB

Interfaces : 5 x 10/100 auto-sensing Ethernet (RJ45)
1 x 10/100/1000 auto-sensing Ethernet (RJ45)
1 x RS-232 serial port
1 x VGA monitor output
2 x USB ports
1 x PS/2 port

Dimensions : 161mm (D) x 240mm (W) x 44mm (H)

LEDs : Power, HDD activity,
6 x Ethernet (Link, Activity)

Power input : Line voltage 85V to 264VAC

Power output : 24VDC/1.25A

Operating Environment : Temperature 0°C to 50°C (32 to 104°F)
Relative humidity 5% to 95% non-condensing

Safety : CE