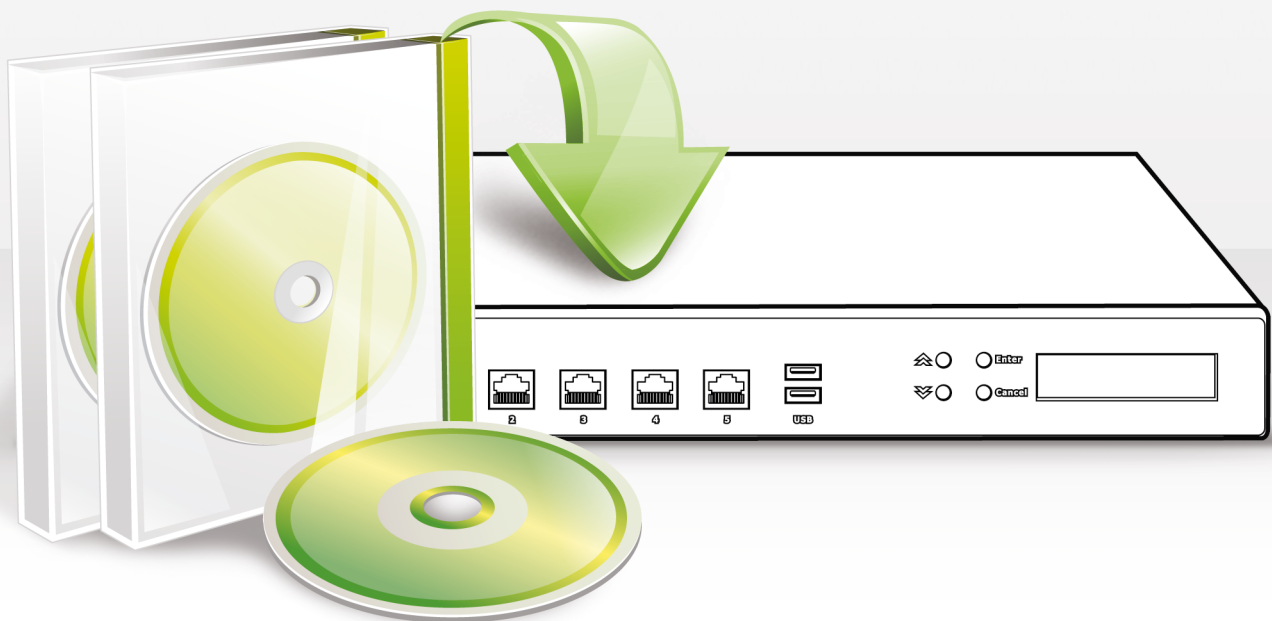


ENDIAN UTM SOFTWARE

NETWORK SECURITY FOR SMALL TO LARGE BUSINESS



Build Your Own: Runs on virtually any hardware platform



Complete Security: Protect your critical business resources



Scalability: Delivers a highly scalable solution to both small- and mid-size companies

Turn any PC into a Unified Threat Management Appliance

Endian UTM Software Appliance offers the same technology that resides in the Endian Unified Threat Management (UTM) hardware appliances, making it possible to turn any PC into a full featured security appliance. Unleash the power of Endian UTM using your preferred hardware to enable comprehensive security for your whole network infrastructure. Integrated security services such as stateful inspection firewall, VPN, gateway anti-virus, anti-spam, Web security, and e-mail content filtering offer granular protection in a single system, reducing management time and costs. Endian designed UTM Software Appliance to meet the needs of every business from small to large, providing maximum protection for your network.

Powered Network Security: Stateful inspection firewall and advanced networking features to protect your network.

Quality of Service and Bandwidth Management: to guarantee the best quality for VoIP calls and critical services in your network.

Intrusion Prevention System: powered by Snort. Packets that match any of the configured rules can be allowed, blocked or logged.

Hotspot: Enable secure Internet access in public areas for wireless and wired networks.

VPN: Secure communication with branch/remote offices and teleworkers. Work anywhere, anytime.

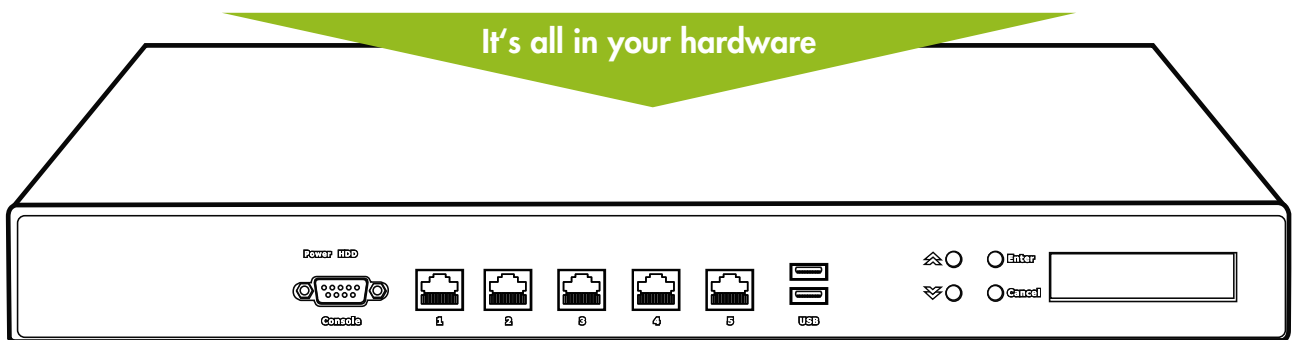
Mail Security: Gateway anti-spam, anti-virus to protect your day-to-day e-mail communication.

High Availability: Keep your network up and running even after an Internet connection or hardware failure.

Endian Network: Centralize the configuration and update management of multiple appliances.

Web Security: Strong authentication, anti-virus and content filtering for secure Internet access

Event handling and notification: on predefined events e-mail notifications are automatically sent to the system administrator.



Endian UTM Software Features

Network Security

- Stateful packet firewall
- Application control (over 160 protocols including Facebook, Twitter, Skype, WhatsApp and more)
- Demilitarized zone (DMZ)
- Intrusion detection and prevention
- Multiple public IP addresses
- Multiple WAN
- Quality of service and bandwidth management
- SNMP support
- VoIP/SIP support
- SYN/ICMP flood protection
- VLAN support (IEEE 802.1Q trunking)
- DNS proxy/routing
- Anti-spyware
- Phishing protection

Web Security

- HTTP & FTP proxies
- HTTPS filtering
- Transparent proxy support
- URL blacklist
- Authentication: Local, RADIUS, LDAP, Active Directory
- NTLM single sign-on
- Group-based and user-based web content filter
- Time based access control with multiple time intervals
- Panda anti-virus
- Cyren URL filter

Mail Security

- SMTP & POP3 proxies
- Anti-spam with bayes, pattern and SPF
- Heuristics, black- and whitelists support
- Anti-virus
- Transparent proxy support
- **NEW** Email quarantine management
- Spam auto-learning
- Transparent mail forwarding (BCC)
- Greylisting
- Cyren anti-spam
- Panda anti-virus

WAN Failover

- Automatic WAN uplink failover
- Monitoring of WAN uplinks
- Uplink types: Ethernet (static/DHCP), PPPoE, PPTP
- Support for UMTS/GPRS/3G USB dongles

User Authentication

- Active Directory / NTLM
- LDAP
- RADIUS
- Local

Virtual Private Networking

IPsec

- Encryption: Null, 3DES, CAST-128, AES 128/192/256-bit,
 - Blowfish 128/192/256-bit,
 - Twofish 128/192/256-bit,
 - Serpent 128/192/256-bit,
 - Camellia 128/192/256-bit
- Hash algorithms: MD5, SHA1, SHA2 256/384/512-bit, AESXCBC
- Diffie Hellman modes: 1, 2, 5, 14, 15, 16, 17, 18, 22, 23, 24
- Authentication: pre-shared key (PSK), RSA keys
- X.509 certificates
- IKEv1, IKEv2
- Dead Peer Detection (DPD)
- NAT traversal
- Compression
- Perfect Forward Secrecy (PFS)
- VPN Site-to-Site
- VPN Client-to-Site (roadwarrior)
- L2TP user authentication
- XAUTH user authentication

OpenVPN

- Encryption: DES, 3DES, AES 128/192/256-bit, CAST5, Blowfish
- Authentication: pre-shared key, X.509 certificates
- Support for VPN over HTTP Proxy
- PPTP passthrough
- VPN client-to-site (roadwarrior)
- VPN client for Microsoft Windows, Mac OS X and Linux
- Possibility of multiple logins per user
- VPN failover
- Multiple server support
- Support for mobile devices (Android, iOS)

VPN Portal for Clientless Connections

- **NEW** Web-based access to internal resources
- **NEW** Configurable portal page
- **NEW** Support for multiple destinations
- **NEW** Destination-based authentication
- **NEW** SSL offloading

User Management & Authentication

- Unified user management for OpenVPN, L2TP, XAUTH, VPN Portal
- Group management
- Integrated certificate authority
- External certificate authority support
- User password and certificate management
- Multiple authentication servers (local, LDAP, Active Directory)

BYOD / Hotspot

- Configurable captive portal
- Free access to allowed sites (walled garden)
- Wired / wireless support
- Integrated RADIUS service
- Connection logging
- Per-user and global bandwidth limiting
- MAC-address based user accounts
- **NEW** Configurable multiple logins per user
- User accounts import/export via CSV
- User password recovery
- Automatic client network configuration (support for DHCP and static IP)
- Fully integrated accounting
- Generic JSON API for external accounting and third party integration
- Instant WLAN ticket shop (SmartConnect)
- Single-click ticket generation (Quick ticket)
- SMS/e-mail user validation and ticketing
- Pre-/postpaid and free tickets
- Time-/trafficbased tickets
- Configurable ticket validity
- Terms of Service confirmation
- MAC address tracking for free hotspots
- Cyclic/recurring tickets (daily, weekly, monthly, yearly)
- Remember user after first authentication (SmartLogin)
- External authentication server (Local, LDAP, Active Directory, RADIUS)

Network Address Translation

- Destination NAT
- Incoming routed traffic
- One-to-one NAT
- Source NAT (SNAT)
- IPsec NAT traversal

Routing

- Static routes
- Source-based routing
- Destination-based routing
- Policy-based routing (based on interface, MAC address, protocol or port)

Bridging

- Firewall stealth mode
- OSI layer 2 firewall functionality
- Spanning tree
- Unlimited interfaces per bridge

High Availability

- Hot standby (active/passive)
- Node data/configuration synchronization

Event Management

- **NEW** More Than 30 Individually Configurable Events
- Email Notifications
- **NEW** SMS Notifications
- **NEW** Powerful Python Scripting Engine

Logging and Reporting

- Reporting dashboard
- Detailed system, web, email, attack and virus reports
- Live network traffic monitoring (powered by nptng)
- Live log viewer
- Detailed user-based web access report (not in 4i, Mini)
- Network/system/performance statistics
- Rule-based logging settings (firewall rules)
- Syslog: local or remote
- OpenTSA trusted timestamping

Extra Services

- NTP (Network Time Protocol)
- DHCP server
- SNMP server
- Dynamic DNS

Management / GUI

- Centralized management through Endian Network (SSL)
- Easy Web-Based Administration (SSL)
- Multi-language web-interface (English, Italian, German, Japanese, Spanish, Portuguese, Chinese, Russian, Turkish)
- Secure remote SSH/SCP access
- Serial console

Updates and Backups

- Centralized updates through Endian Network
- Scheduled automatic backups
- Encrypted backups via email
- Instant recovery / Backup to USB stick (Endian Recovery Key)

System Requirements/Hardware Support

CPU:	Intel x86 compatible (1GHz minimum, Dual-core 2 GHz recommended), including VIA, AMD Athlon, Athlon 64, Opteron, Intel Core 2 Duo, Xeon, Pentium and Celeron processors
Multi-Processor:	Symmetric multi-Processor (SMP) support included
RAM:	512MB minimum (1 GB recommended)
Disk:	SCSI, SATA, SAS or IDE disk is required (8GB minimum 20GB recommended)
Software RAID:	For software RAID1 (mirroring) two disks of the same type (the capacity needn't be the same) are required
CDROM:	An IDE, SCSI or USB CDROM drive is required for installation (not required after installation)
Network Cards:	Most common Network Interface Cards are supported including Gigabit and fiber NICs
Monitor/ Keyboard:	Only required for the installation but not for configuration and use
Operating System:	Endian Firewall includes a Hardened Linux Based Operating System



© 2014 Endian SRL. Subject to change without notice. Endian and Endian UTM are trademarks of Endian SRL. All other trademarks and registered trademarks are the property of their respective owners.

Endian International
Tel: +39 0471 631 763
E-mail: sales@endian.com

Endian US
Tel: +1 832 775 8795
E-mail: us@endian.com

Endian Italia
Tel: +39 0471 631 763
E-mail: italy@endian.com

Endian Japan
Tel: +81 3 680 651 86
E-mail: japan@endian.com

Endian Deutschland
Tel: +49 (0) 8106 30750 - 13
E-mail: germany@endian.com

Endian Turkey - EndPoint-Labs
Tel: +90 216 222 2933
E-mail: turkey@endian.com