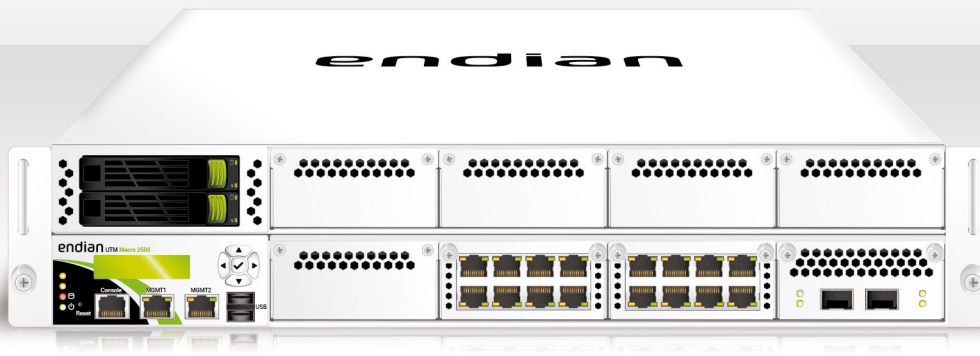# Endian UTM Macro 1000 e 2500

La nuova generazione di hardware UTM

Scopri la potenza delle nuove appliance Endian. Capacità di memoria raddoppiata e processori multi-core di ultima generazione per spingere la tua rete alle massime prestazioni.

Macro 1000 e 2500 sono i gateway ideali per gestire e filtrare il traffico delle reti più complesse. Queste appliance hardware altamente performanti sono studiate per offrire un'ottima combinazione di potenza e sicurezza ai network di livello enterprise.

Highlights

- 10/18 Ethernet ports
- 16/32 GB RAM
- 2x500/2x1000 GB Hard disk
- LAN-Bypass
- Rack 2U
- 2x 10Gigabit SFP+ (optional)

Performance	Macro 1000	Macro 2500
Firewall Throughput	25 Gbit/s	40 Gbit/s
VPN Throughput (IPsec & SSL)	3 Gbit/s	5 Gbit/s
IPS Throughput	4 Gbit/s	7 Gbit/s
Antivirus Throughput (Proxy)	6 Gbit/s	9 Gbit/s
Web Security Throughput	13 Gbit/s	25 Gbit/s
Concurrent Sessions	2.500.000	5.000.000

Hardware	Macro 1000	Macro 2500
Case	Rack 2U	Rack 2U
Case Dimensions	88 x 440 x 501mm	88 x 440 x 501mm
Shipping carton	230 x 550 x 750mm	230 x 550 x 750mm
Weight	20 kg	20 kg
Memory	16 GB	32 GB
Storage	2x 500 GB HDD Raid	2x 1 TB HDD Raid
Networking	10x Gigabit Ethernet 2x 10Gigabit SFP+ (optional)	18x Gigabit Ethernet 2x 10Gigabit SFP+ (optional)
LAN Bypass	2 Pairs	4 Pairs
Power Supply	2x 550W Internal Redundant	2x 550W Internal Redundant
Cooling	Fans	Fans
LCD Display	Yes	Yes
VGA	Yes	Yes
Hardware Warranty	included in maintenance	included in maintenance
Certifications	FCC/CE/RoHS	FCC/CE/RoHS

Endian UTM Features

Network Security
- Stateful packet firewall
- Application control (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
- Bitdefender Anti-malware Engine
- Cyren URL filter
- SafeSearch enforcement

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

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 and Apple OS X
- Possibility of multiple logins per user
- VPN failover
- Multiple server support
- Support for mobile devices (Android, iOS)

VPN Portal for Clientless Connections*
- Web-based access to internal resources
- Configurable portal page
- Support for multiple destinations
- Destination-based authentication
- 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, RADIUS)
- Fully integrated one-time password (OTP) support
- Let's Encrypt Support

BYOD / Hotspot*
- Configurable captive portal
- Use your website as portal (SurfNow Button)
- Free access to allowed sites (walled garden)
- Wired / wireless support
- Integrated RADIUS service
- Connection logging
- Bandwidth limiting based on user, ticket or global settings
- Social login (Facebook, Google)
- Social Enabler (sharing on social networks)
- MAC-address based user accounts
- 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 (Smart-Connect)
- Single-click ticket generation (Quick ticket)
- SMS/e-mail user validation and ticketing
- Pre-/postpaid and free tickets
- Time-/traffic-based 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)
- Multi-location setup through master/satellite configuration**
- 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 (not for BYOD/Hotspot)

Event Management
- More Than 30 Individually Configurable Events
- Email Notifications
- SMS Notifications
- Powerful Python Scripting Engine

Logging and Reporting
- Reporting dashboard
- Detailed system, web, email, attack and virus reports
- Live network traffic monitoring (powered by ntopng)
- Live log viewer
- Detailed user-based web access report (not in Mini 10 and Mini 10 WiFi)
- 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)

* Not in UTM Software 10, UTM Virtual 10, UTM Mini 10, UTM Mini 10 WiFi   ** Master functionality not in UTM Mini 25, UTM Mini 25 WiFi and UTM Mercury 50