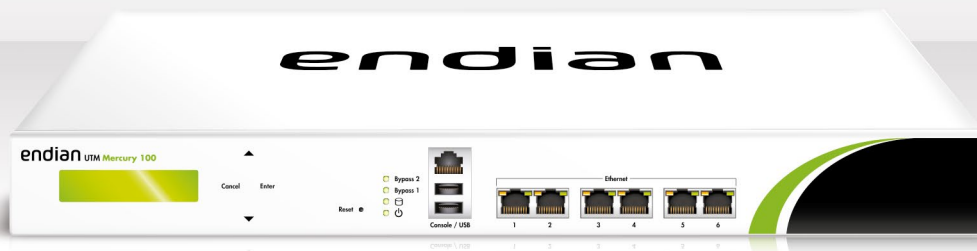# Endian UTM Mercury 100
The new generation of UTM hardware appliances

Fast, flexible and easy to use. The Mercury 100 guarantees high security standards combined with the globally recognized Endian Hotspot technology.

Application level filters, anti-virus, anti-spam, web filtering, VPN functionality and much more create a complete and reliable shield for your network from all internal and external threats.

Highlights

- ☑ 6 Ethernet ports
- ☑ 4 GB RAM
- ☑ 2x320 GB Hard disk
- ☑ LAN-Bypass
- ☑ Rack 1U

Performance	Mercury 100
Firewall Throughput	2.5 Gbit/s
VPN Throughput (IPsec & SSL)	220 Mbit/s
IPS Throughput	160 Mbit/s
Antivirus Throughput (Proxy)	250 Mbit/s
Web Security Throughput	400 Mbit/s
Concurrent Sessions	500,000

Hardware	Mercury 100
Case	Rack 1U
Dimensions	44mm x 430mm x 260mm
Weight	5 kg
Memory	4 GB
Storage	2x 320 GB HDD Raid
Networking	6x Gigabit Ethernet
LAN Bypass	2 Pairs
Power Supply	65W Internal
Cooling	Fans
LCD Display	Yes
Hardware Warranty	12 months
Certifications	FCC/CE/RoHS

Endian UTM Mercury 100 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 ntopng)
- 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)