Endian UTM Mercury 50
The new generation of UTM hardware appliances

Conceived to handle the processing of heavy Internet traffic, emails and VPN connections to branch offices, the Mercury 50 is the ideal scalable solution to support your network growth.

This high-performance appliance provides Endian’s best in class security features to midsize organizations. The complete set of Unified Threat Management functionalities in combination with advanced hotspot gives you the most comprehensive features available.

Highlights
- 5 Ethernet ports
- 4 GB RAM
- 320 GB Hard disk
- Desktop Appliance

<table>
<thead>
<tr>
<th>Performance</th>
<th>Mercury 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firewall Throughput</td>
<td>3.0 Gbit/s</td>
</tr>
<tr>
<td>VPN Throughput (IPsec &amp; SSL)</td>
<td>300 Mbit/s</td>
</tr>
<tr>
<td>IPS Throughput</td>
<td>320 Mbit/s</td>
</tr>
<tr>
<td>Antivirus Throughput (Proxy)</td>
<td>500 Mbit/s</td>
</tr>
<tr>
<td>Web Security Throughput</td>
<td>1.0 Gbit/s</td>
</tr>
<tr>
<td>Concurrent Sessions</td>
<td>450,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Mercury 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case</td>
<td>Desktop</td>
</tr>
<tr>
<td>Dimensions</td>
<td>44mm x 245mm x 155mm</td>
</tr>
<tr>
<td>Weight</td>
<td>2 kg</td>
</tr>
<tr>
<td>Memory</td>
<td>4 GB</td>
</tr>
<tr>
<td>Storage</td>
<td>320 GB HDD</td>
</tr>
<tr>
<td>Networking</td>
<td>5x Gigabit Ethernet</td>
</tr>
<tr>
<td>LAN Bypass</td>
<td>-</td>
</tr>
<tr>
<td>Power Supply</td>
<td>60W External</td>
</tr>
<tr>
<td>Cooling</td>
<td>Fans</td>
</tr>
<tr>
<td>LCD Display</td>
<td>-</td>
</tr>
<tr>
<td>VGA</td>
<td>-</td>
</tr>
<tr>
<td>Hardware Warranty</td>
<td>included in maintenance</td>
</tr>
<tr>
<td>Certifications</td>
<td>FCC/CE/RoHS</td>
</tr>
</tbody>
</table>
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
- Pandora cloud-based anti-virus
- Cyren URL filter
- SafeSearch enforcement

Mail Security
- SMTP & POP3 proxies
- Anti-spyware with bayes, pattern and SPF
- Heuristics, black- and whitelisters support
- Anti-virus
- Transparent proxy support
- Email quarantine management
- Spam auto-learning
- Transparent mail forwarding (BCC)
- Greylisting
- Cyren anti-spam
- Pandora cloud-based anti-virus

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

User Authentication
- Active Directory / NTLM
- LDAP
- RADIUS
- Local

Virtual Private Networking
IPsec
- Hash algorithms: MD5, SHA1, SHA2 256/384/512-bit, AESXCBC
- Diffie Hellman modes: 1, 2, 3, 4, 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 WAN 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
- Inbound 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)
- SYN/ICMP flood protection
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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