The Macro 250 and Macro 500 provide class-leading UTM power for mid-size and larger networks. These appliances also provide the highest levels of availability with redundant SSD storage and expanded connectivity including 10GbE SFP+ ports (standard).

Using the all new Macro 250/500 models now ensures your business networks are getting the fastest and most powerful Endian UTM capabilities including Firewall, Web/Email Filtering, IPS (Intrusion Prevention) and so much more.

<table>
<thead>
<tr>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ 8x Gbit Ethernet</td>
</tr>
<tr>
<td>✔ 2x 10Gb Ethernet SFP+</td>
</tr>
<tr>
<td>✔ 16 / 32 GB RAM</td>
</tr>
<tr>
<td>✔ 2x SSD 512Gb</td>
</tr>
<tr>
<td>✔ Rack 1U</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance</th>
<th>Macro 250</th>
<th>Macro 500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firewall Throughput</td>
<td>10 Gbit/s</td>
<td>20 Gbit/s</td>
</tr>
<tr>
<td>VPN Throughput (IPsec &amp; SSL)</td>
<td>1.8 Gbit/s</td>
<td>2.8 Gbit/s</td>
</tr>
<tr>
<td>IPS Throughput</td>
<td>2.5 Gbit/s</td>
<td>3.8 Gbit/s</td>
</tr>
<tr>
<td>Antivirus Throughput (Proxy)</td>
<td>3 Gbit/s</td>
<td>5 Gbit/s</td>
</tr>
<tr>
<td>Web Security Throughput</td>
<td>7 Gbit/s</td>
<td>10 Gbit/s</td>
</tr>
<tr>
<td>Concurrent Sessions</td>
<td>2,500,000</td>
<td>5,000,000</td>
</tr>
<tr>
<td>Max Concurrent Hotspot Connections</td>
<td>Unlimited</td>
<td>Unlimited</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Macro 250</th>
<th>Macro 500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case</td>
<td>Rack 1U</td>
<td>Rack 1U</td>
</tr>
<tr>
<td>Dimensions</td>
<td>440mm x 364mm x 44mm</td>
<td>440mm x 364mm x 44mm</td>
</tr>
<tr>
<td>Weight</td>
<td>5.5 kg</td>
<td>5.5 kg</td>
</tr>
<tr>
<td>Memory</td>
<td>16 GB</td>
<td>32 GB</td>
</tr>
<tr>
<td>Storage</td>
<td>2x 512 GB SSD Raid</td>
<td>2x 512 GB SSD Raid</td>
</tr>
<tr>
<td>Networking</td>
<td>8x Gigabit Ethernet 2x 10Gb Ethernet SFP+</td>
<td>8x Gigabit Ethernet 2x 10Gb Ethernet SFP+</td>
</tr>
<tr>
<td>LAN Bypass</td>
<td>2 Pairs</td>
<td>2 Pairs</td>
</tr>
<tr>
<td>Power Supply</td>
<td>250W Internal</td>
<td>250W Internal</td>
</tr>
<tr>
<td>Cooling</td>
<td>Fans</td>
<td>Fans</td>
</tr>
<tr>
<td>LCD Display</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>VGA</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hardware Warranty</td>
<td>included in maintenance</td>
<td>included in maintenance</td>
</tr>
<tr>
<td>Certifications</td>
<td>FCC/CE/RoHS</td>
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</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
- SNIP support
- VoIP/SIP support
- SYN/ICMP flood protection
- VLAN support (IEEE 802.1Q trunking)
- DNS proxy/routing
- Anti-spyware
- Phishing protection

Virtual Private Networking (VPN)
- IPsec
  - Hash algorithms: MD5, SHA1, SHA2 256/384/512-bit, AESX2BC
  - 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 passsthrough
- 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 Open-VPN, 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)
- Distributed accounting and third party integration
- Instant WLAN ticket shop (Smart-Connect)
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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