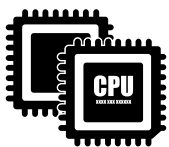


# ENDIAN UTM MACRO X1-X2

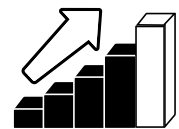
NETWORK SECURITY FOR MEDIUM-TO-LARGE BUSINESSES



**Multi-Core CPU:** Ideal for powering the large networks



**Complete Security:** Protect your critical business resources



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

# Multi-Core Appliance for High Performance Security

**(Suggested Users 50 - 500) Endian UTM Macro X Series appliances meet the needs of Medium-to-Large Businesses requiring a highly available and powerful appliance for demanding networks.**

Endian UTM Macro X Series appliances offer high-performance Unified Threat Management (UTM) with content inspection at top speed. Featuring the latest Intel Multi-Core Technology and advanced networking functionality, the Macro X Series deliver a comprehensive security solution for large network environments. Integrated security services such as stateful inspection firewall, VPN, gateway anti-virus, anti-spam, Web and e-mail content filtering offer granular protection in a single appliance, reducing management time and costs. Endian designed UTM Macro X Series to meet the needs of Medium-to-Large Businesses requiring a highly available and powerful appliance for demanding networks.

## Right Size Your Network

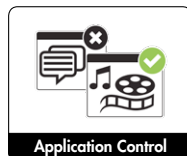
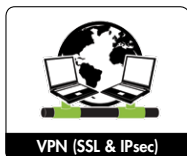
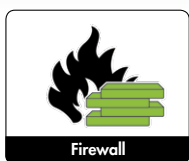
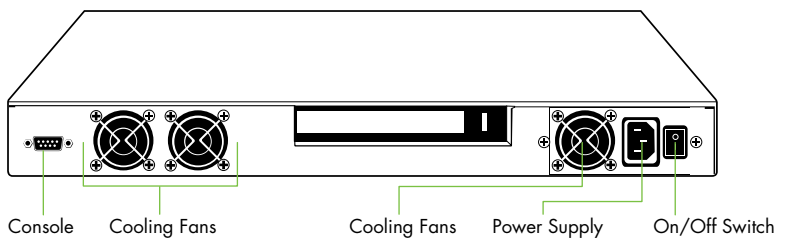
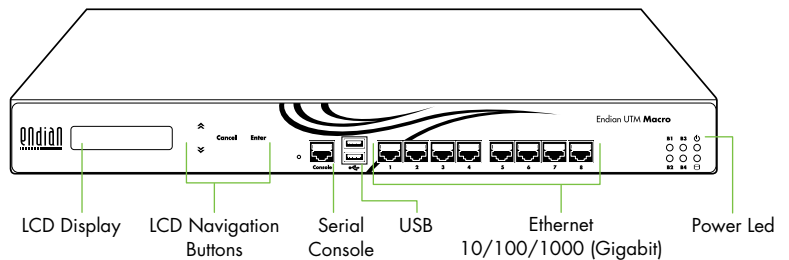
The Macro X series are the perfect devices for medium and large networks that require stronger performance and more capacity. The Macro X series come equipped with multi-core processors and more memory so they are great at multitasking.

## Simple. Security.

Good network security shouldn't take an advanced degree to implement. We take the complexity out of security so everyone can enjoy it.

## We Got You Covered

Get the help and support you need from Endian. Whether it's our growing online support resources or our network of qualified partners, we're here to help.



## Performance

	Macro X1	Macro X2
Suggested Users	50-250	50-500
Firewall Throughput	1.0 Gbps	1.5 Gbps
Concurrent Connections	1,000,000	1,500,000
VPN Throughput	250 Mbps	350 Mbps
IPS Throughput	170 Mbps	255 Mbps
UTM Throughput	160 Mbps	240 Mbps
E-mails per day	900,000	1,350,000

## Endian UTM Macro X Series Features

### 1 Network Security

- Stateful Packet Firewall
- **NEW** Application Control (over 160 Protocols including Facebook, Twitter, Skype, WhatsApp and more)
- Demilitarized Zone (DMZ)
- Intrusion Detection and Prevention (Snort)
- 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

### 2 Web Security

- HTTP & FTP Proxies
- **NEW** 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
- **NEW** Panda Anti-Virus (optional)
- **NEW** Commtouch URL Filter (optional)

### 3 Mail Security

- SMTP & POP3 Proxies
- Anti-Spam with Bayes, Pattern and SPF
- Heuristics, Black- and Whitelists Support
- Anti-Virus (100.000+ patterns)
- Transparent Proxy Support
- **NEW** Mail Quarantine Management
- Spam Auto-Learning
- Transparent Mail Forwarding (BCC)
- Greylisting
- Commtouch Anti-Spam (optional)
- **NEW** Panda Anti-Virus (optional)

### 4 Virtual Private Networking

#### IPsec

- **NEW** 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
- **NEW** Hash Algorithms: MD5, SHA1, SHA2 256/384/512-bit, AES-XCBC
- 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
- **NEW** IKEv2
- Dead Peer Detection (DPD)
- NAT Traversal
- Compression
- Perfect Forward Secrecy (PFS)
- VPN Site-to-Site
- VPN Client-to-Site (Roadwarrior)
- L2TP User Authentication
- **NEW** XAuth User Authentication

#### OpenVPN

- True SSL/TLS VPN
- Encryption: DES, 3DES, AES 128/192/256-bit, CAST5, Blowfish
- Authentication: Pre-Shared Key, X.509 Certificates
- Support for VPN over HTTPS Proxy (OpenVPN)
- 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
- **NEW** Multiple Server Support Scalability
- **NEW** Support for Mobile Devices (Android, iOS)

#### User Management & Authentication

- **NEW** Unified User Management for OpenVPN, L2TP, XAuth
- **NEW** Group Management
- **NEW** Integrated Certificate Authority
- **NEW** External Certificate Authority Support
- **NEW** User Password and Certificate Management (Two-factor Authentication)
- **NEW** Multiple Authentication Servers (Local, LDAP, Active Directory)

### 5 WAN Failover

- Automatic WAN Uplink Failover
- Monitoring of WAN Uplinks
- Uplink Types: Ethernet (Static/DHCP), PPPoE, ADSL, ISDN, PPTP
- Support for UMTS/GPRS/3G USB Dongles

### 6 User Authentication

- Active Directory / NTLM
- LDAP
- RADIUS
- Local

### 7 BYOD/Hotspot

- Captive Portal
- Wired / Wireless Support
- Integrated RADIUS Service
- Connection Logging
- Per-User and Global Bandwidth Limiting
- MAC-Address Based User Accounts
- User Accounts Import/Export via CSV
- User Password Recovery
- Automatic Client Network Configuration (support for DHCP and Static IP)
- Generic JSON API for External Accounting and Third Party Integration
- Instant WLAN Ticket Shop (Endian SmartConnect)
- 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
- **NEW** Cyclic/Recurring Tickets (Daily, Weekly, Monthly, Yearly)
- **NEW** Remember User after First Authentication (SmartLogin)
- **NEW** External Authentication Server (Local, LDAP, Active Directory, RADIUS)

### 8 Network Address

#### Translation

- Destination NAT
- Incoming Routed Traffic
- One-to-One NAT
- Source NAT (SNAT)
- IPsec NAT Traversal

### 9 Routing

- Static Routes
- Source-Based Routing
- Destination-Based Routing
- Policy-Based Routing (Based on Interface, MAC Address, Protocol or Port)

### 10 Bridging

- Firewall Stealth Mode
- OSI Layer 2 Firewall Functionality
- Spanning Tree
- Unlimited Interfaces per Bridge

### 11 High Availability

- Hot Standby (Active/Passive)
- Node Data/Configuration Synchronization

### 12 Extra Services

- Event Notification & Handling
- NTP (Network Time Protocol)
- DHCP Server
- SNMP Server
- Dynamic DNS

### 13 Logging and Reporting

- **NEW** Reporting Dashboard
- **NEW** Detailed System, Web, E-mail, Attack and Virus Reports
- **NEW** 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

### 14 Management / GUI

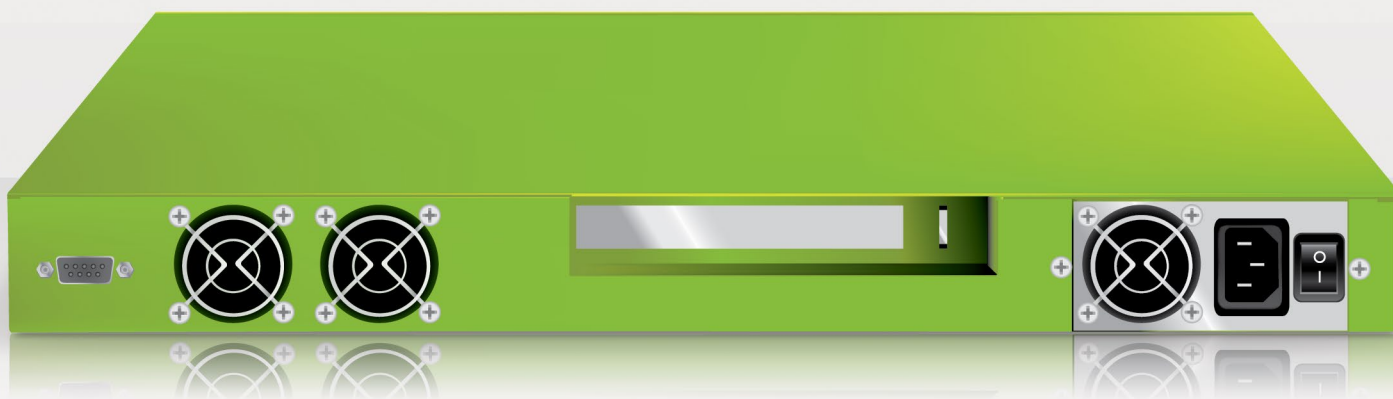
- Easy Web-Based Administration (SSL)
- **NEW** Multi-Language Web-Interface (English, Italian, German, Japanese, Spanish, Portuguese, Chinese, Russian, Turkish)
- Secure Remote SSH/SCP Access
- Serial Console
- Centralized Management through Endian Network (SSL)

### 15 Updates and Backup

- Centralized Updates through Endian Network
- Scheduled Automatic Backups
- Encrypted Backups via E-mail
- Instant Recovery / Backup to USB Stick (Endian Recovery Key)

## Hardware specifications

	Macro X1	Macro X2
Case Rack	19" 1 U	19" 1 U
Power	Internal 300 Watt	Internal 300 Watt
CPU Type	Dual-Core	Quad-Core
Memory	2048 MB	4096 MB
Ethernet	8 x 10 / 100/1000 Mbps	8 x 10 / 100/1000 Mbps
PCI Slots	-	-
Cooling	Fans	Fans
Hard Disk (RAID 1)	2 x 250 GB	2 x 500 GB
LCD Display	Yes	Yes
Dimension (HxWxD)	44mm x 430mm x 370mm	44mm x 430mm x 370mm
Weight	5,6 kg	5,6 kg
Hardware Warranty	12 months	12 months
Certifications	FCC/CE/ROHS	FCC/CE/ROHS



© 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**  
 Mobile +90 (0) 539 336 59 42  
 E-mail: turkey@endian.com