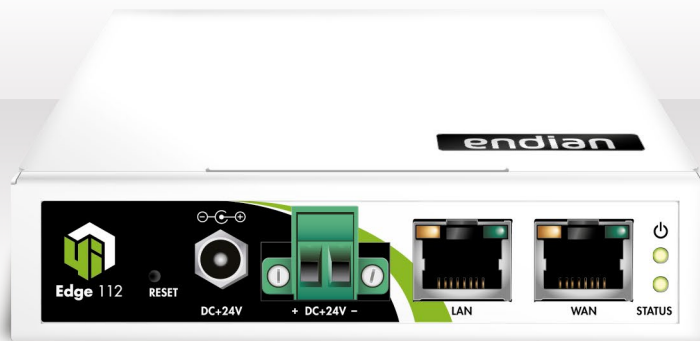


# Endian 4i Edge 112

La nuova generazione di firewall industriali



La soluzione desktop per ambienti industriali, potente e scalabile. Tutte le funzionalità incluse nel prodotto consentono di raggiungere in maniera efficiente e sicura i siti remoti.

Endian 4i Edge 112 è la soluzione ideale per le infrastrutture, l'industria medica e il settore delle comunicazioni. Una interfaccia web estremamente intuitiva facilita l'impiego del prodotto in qualsiasi circostanza. Disponibile anche in versione DIN rail e wall mount.

## Highlights

- Accesso VPN semplice e sicuro
- 2 Ethernet ports
- 3G Module (optional)
- Serial over IP
- Temperatura da 0 a +60°C



Performance	4i Edge 112
Firewall Throughput	120 Mbps
VPN Throughput	30 Mbps
IPS Throughput	20 Mbps

Hardware	4i Edge 112
CPU/SoC	ARM Cortex A8
CPU Speed	800 MHz
Power	24V DC Terminal Block/ DC Jack
Case / Form Factor	DIN Rail / Wall Mount / Desktop
Dimensions	120mm x 108mm x 32mm
Weight	550g
Fanless	Yes
Status LED	Yes
Operating Temperature	0°C - +60°C/32°F - +140°F
Storage Temperature	-40°C - +80°C/-40°F - +176°F
Humidity	5% - 95%, Non-condensing
COM Port	RS232/422/485
Digital I/O	-
Ethernet Ports	2 Gigabit
RAM	512M DDR3
Onboard Storage	512 MB
Additional Storage	4 GB
USB Ports	2
Serial/Console Ports	1

# Endian 4i Edge 112

## Network Security

- Stateful Packet Firewall
- 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

## WAN Failover

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

## 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

## 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, 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 & 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

- 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
- Multiple Server Support Scalability
- Support for Mobile Devices (Android, iOS)

### User Management & Authentication

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

## Serial Communication

- Serial over IP
- Serial-to-Serial Hardware Bridging
- Support for RS232, RS422, RS485

## Event Management

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

## Extra Services

- NTP (Network Time Protocol)
- DHCP Server
- SNMP Server
- Dynamic DNS

## Logging and Reporting

- Reporting Dashboard
- Detailed System and Attack Reports
- Live Network Traffic Monitoring (powered by ntopng)
- Live Log Viewer
- Network/System/Performance Statistics
- Rule-Based Logging Settings (Firewall Rules)
- Syslog: Local or Remote
- OpenTSA Trusted Timestamping

## Management / GUI

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

## Updates and Backups

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

## Endian Connect Switchboard

### Il futuro della sicurezza e della connettività IoT

L'unica tecnologia end-to-end aperta, per fornire connettività remota protetta tra persone, reti, infrastrutture e cose. Concepita per essere scalabile, da progetti di piccole dimensioni fino a realtà enterprise globali, con migliaia o addirittura milioni di entità connesse: grazie all'ampio numero di opzioni offerte in termini di componenti della piattaforma, garantiamo al tuo business la massima flessibilità e la possibilità di trovare la soluzione su misura per ogni progetto.

