

# Endian 4i Edge 515

## La nuova generazione di firewall industriali

Endian 4i Edge 515 si presenta sul mercato dei router industriali VPN con una gamma incredibile di funzionalità che ne garantiscono gli altissimi livelli di performance. Il tutto a disposizione dell'utente tramite una interfaccia web estremamente intuitiva e semplice da usare.

4i Edge 515 trova il suo impiego ideale in ambienti critici e con temperature estreme. La soluzione giusta per i settori del machine building, manifatturiero, infrastrutture, medicale e delle comunicazioni.

### Highlights

- ✓ Accesso VPN semplice e sicuro
- ✓ 5 Gigabit Ethernet ports
- ✓ 3G Module (optional)
- ✓ Serial over IP
- ✓ Digital Input/Output
- ✓ Temperatura da -20°C a +70°C



Performance	4i Edge 515
Firewall Throughput	120 Mbps
VPN Throughput	30 Mbps
IPS Throughput	20 Mbps

Hardware	4i Edge 515
CPU/SoC	ARM Cortex A8
CPU Speed	800 MHz
Power	2x Redundant 24V DC Terminal Block
Case / Form Factor	DIN Rail / Wall Mount / Desktop kit
Dimensions	167mm x 55mm x 140mm
Weight	1215g
Fanless	Yes
Status LED	Yes
Operating Temperature	-20°C – +70°C/-4°F – +158°F
Storage Temperature	-40°C – +80°C/-40°F – +176°F
Humidity	5% – 95%, Non-condensing
COM Port	RS232/422/485
Digital I/O	1x Input / 1x Output
Ethernet Ports	5 Gigabit
RAM	512M DDR3
Onboard Storage	512 MB
Additional Storage	4 GB
USB Ports	1
Serial/Console Ports	1



# Endian 4i Edge 515

## 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.

