IFA 1610

Main Features

- Stateful (L4) packet firewall
- Intrusion prevention (IPS)
- SSL VPN secure remote access
- Serial gateway (RS485)
- Operating temperature range, from 0°C (32°F) up to 60°C (140°F)
- Compact palm size

Product Overview

The CoreFort™ industry firewall series is a fully integrated industry 2 ports firewall router with VPN function. The fully equipped, broadband-capable firewall router offers a stateful packet inspection firewall, denial-of-service(DoS)/distributed denial-of-service(DDoS) protection and intrusion prevention, portscan detection, and real-time alerts. It gives additional protection for machinery and equipment installed on the secure side of the firewall. Equipped with SSL VPN functions, the CoreFort™ industry firewall provides a remote access infrastructure to secure connections, and helps machine builder/system integrator to design easily maintained systems. Furthermore, its full-industrial design is ideal for industrial environment application.

Pairing VPN capabilities, the CoreFort™ industry firewall series is an ideal endpoint connectivity and security solution for industrial automation, process control, energy and medical instrument remote management application.

Specifications

Network Security
- Stateful packet firewall
- Intrusion detection/prevention (IDS/IPS)
- Multiple public IPs
- SNMP support (V1/V2/V3)
- VoIP/SIP support
- Portscan detection
- DoS and DDoS protection
- SYN/ICMP flood protection
- DNS proxy/routing

WAN
- Supports uplinks/WANs: Ethernet (Static/DHCP), PPPoE

Traffic Shaping
- Bandwidth management

User Authentication
- Active directory/NTLM
- LDAP
- Local

Network Address Translation
- Destination NAT
- Incoming routed traffic
- One-to-one NAT
- Source NAT (SNAT)
- IPSec NAT Traversal

Bridging
- Firewall stealth mode
- OSI-layer 2 firewall-function
- Spanning tree
- Unlimited bridges
- Unlimited interfaces per bridge

VPN (Virtual Private Network)
- IPsec
  - Encryption: 3DES, AES 128/256-bit,MD5, SHA1
  - Diffie Hellman (2, 5, 14, 15, 16,17,18)
  - Authentication: Pre-Shared Key, RSA Keys X.509-certificates IKEv1, L2TP
  - DPD (dead peer detection)
  - NAT Traversal
  - Compression
  - PFS (perfect forward secrecy)
  - VPN: site-to-site
  - VPN: client-to-site (road warrior)
  - Integrated certificate authority

Block Diagram
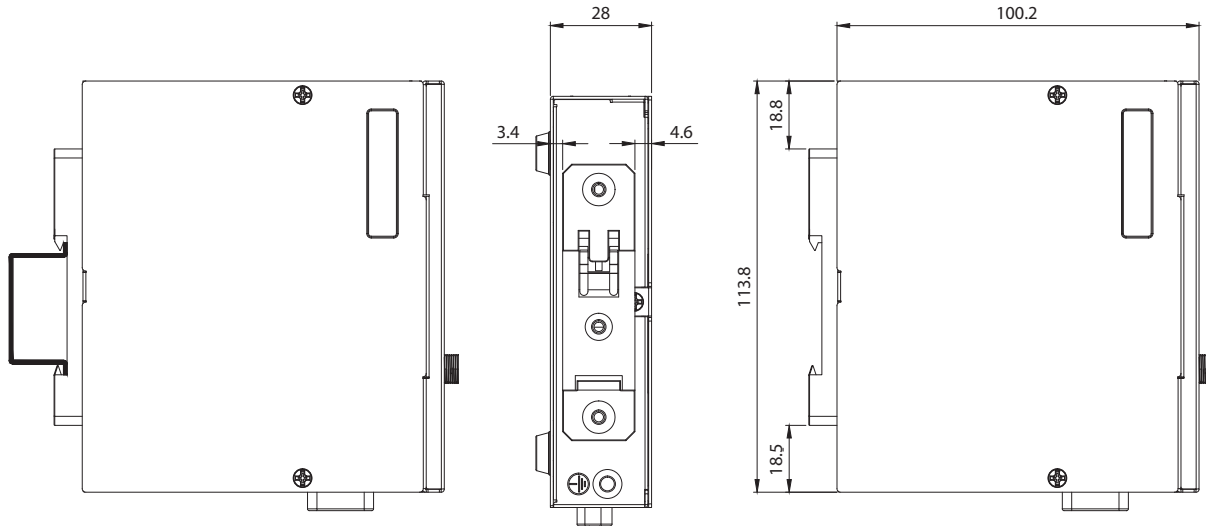
- True SSL/TLS VPN (OpenVPN)
  - Encryption: DES, 3DES, AES 128/192/256-bit, CAST5, Blowfish
  - Authentication: Pre-shared key, X.509-certificates , certification authority, and local
  - Support for VPN over HTTPS proxy (OpenVPN)
  - PPTP passthrough
  - VPN: site-to-site
  - VPN: client-to-site (road warrior)
  - VPN client for Microsoft Windows, Mac OS X and Linux
  - Multiple logins per user

Services
- Event notification & handling
- NTP (network time protocol)
- DHCP server
- SNMP server
- DynDNS

Logs and Reports
- Customizable real-time dashboard
- Live log viewer (AJAX based)
- Detailed user based web access report
- Network/system/performance statistics
- Rule-based logging settings (firewall rules)
- Syslog: local or remote
- openTSA trusted time stamping

Management
- Easy web-based administration (SSL)
- Secure remote SSH/SCP access
- Centralized management (via SSL)

Updates and Backup
- Centralized updates through Core**Fort**™ network
- Scheduled backup
- Encrypted backups via e-mail
- Instant recovery/backup to USB stick

Hardware Specification
- 1 x 10/100/1000 Base-T Ethernet WAN
- 1 x 10/100/1000 Base-T Ethernet LAN
- 2 x USB
- RS232/422/485
- microSD 4GB

Physical and Power
- DIN rail/wall mount (optional)/desktop
- Fanless
- Dimension(H x W x D): 110 x 25.4 x 100mm
- Weight(G.W. Kg):0.51 Kg
- IP30
- DC Jack/terminal block ,24V DC

Environmental Specification
- Operating temperature 0°C ~ 60°C (32°F ~ 140°F)
- Storage temperature -20°C ~ 70°C (-4°F ~ 158°F)
- Humidity:10% ~ 90%, non-condensing

Certification
- Safety: UL 508
- FCC/CE/RoHS

Package Content
- IFA1610 x 1
- QIG x 1
- Power input 5.08mm terminal block x 1

Ordering Information
- **IFA 1610 (P/N: 10IF0161000X0)**
  Industry firewall 2 ports VPN router (3 years service & maintenance)