



Main Features

- ♦ Stateful (L4) packet firewall
- ♦ Intrusion prevention (IPS)
- ♦ SSL VPN secure remote access
- ♦ DI/DO support
- ♦ Serial gateway (RS485)
- ♦ Wide temperature range, up to 70°C (158°F)

Product Overview

The CoreFort™ industry firewall series is a fully integrated industry multi-port 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 tough fully-rugged design is ideal for harsh environment application. With wide temperature range up to 70°C (158°F) degree, it offers reliable communication network in extreme temperature conditions.

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

Multi-WAN/Failover

- ♦ Supports multiple Uplinks/WANs: Ethernet (Static/DHCP), PPPoE, Analog/UMTS modem
- ♦ Automatic WAN uplink failover
- ♦ Monitoring of WAN uplinks

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

High Availability

- ♦ Hot standby (active/passive)
- ♦ Node Data/Configuration Synchronization

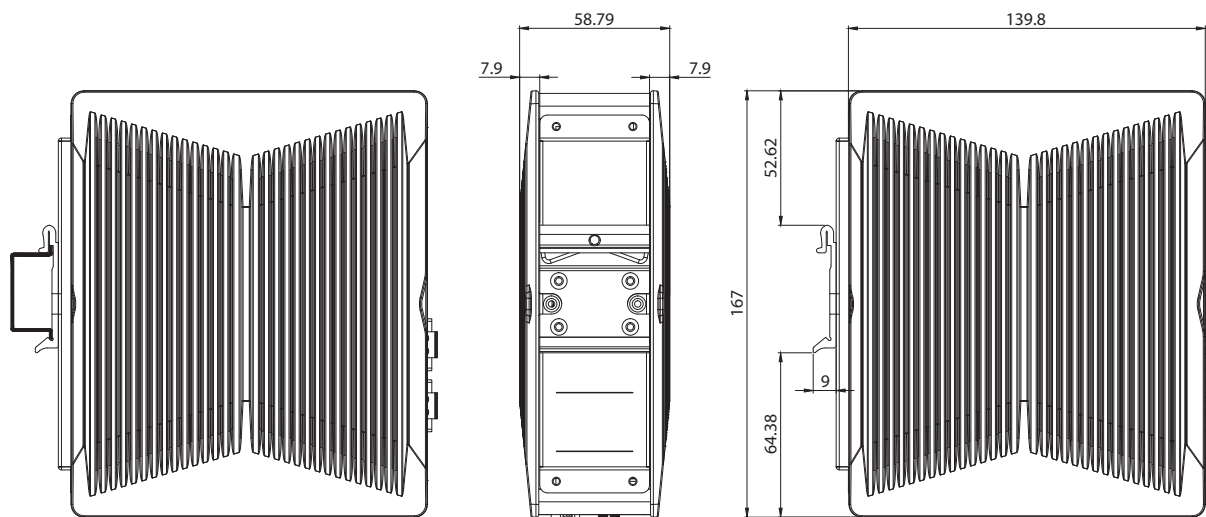
Bridging

- ♦ 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)

Block Diagram



- VPN: site-to-site
- VPN: client-to-site (road warrior)
- Integrated certificate authority
- ♦ 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
 - VPN failover

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 CoreFort™ network
- ♦ Network
- ♦ Scheduled backup
- ♦ Encrypted backups via e-mail
- ♦ Instant recovery/backup to USB stick

Routing

- ♦ Static routes
- ♦ Source-based routing
- ♦ Destination-based routing
- ♦ Policy-based routing (based on interface, MAC, protocol, or port)

Hardware Specification

- ♦ 1 x 10/100/1000 Base-T Ethernet WAN
- ♦ 4 x 10/100/1000 Base-T Ethernet LAN
- ♦ 1 x USB
- ♦ 1 x DI/DO
- ♦ RS-232/422/485
- ♦ microSD 4GB

Physical and Power

- ♦ DIN rail/wall mount (optional)
- ♦ Fanless
- ♦ Dimension (H x W x D): 167mm x 59mm x 140mm
- ♦ Weight(G.S. Kg):1.90Kg
- ♦ IP30
- ♦ Dual power input 24VDC

Environmental Specification

- ♦ 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

Certification

- ♦ Safety: UL 508
- ♦ FCC/CE/RoHS

Package Content

- ♦ IFA 3610 x 1
- ♦ QIG x 1
- ♦ Power Input 5.08mm terminal block x 2
- ♦ DI/DO terminal block x 1

Ordering Information

- ♦ **IFA 3610 (P/N: 10IF0361000X0)**
Industry firewall 5 ports VPN router (3 years service & maintenance)