



Main Features

- ♦ Stateful (L4) Packet Firewall
- ♦ Intrusion Prevention (IPS)
- ♦ SSL VPN Secure Connection
- ♦ RS232/485/422 Serial Communication
- ♦ Centralized Management
- ♦ Operating Temperature Range, from 0°C (32°F) up to 60°C (140°F)
- ♦ Compact Palm Size

Product Overview

The HENGE™ 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 HENGE™ 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 HENGE™ 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
- ♦ Multiple Public IPs
- ♦ SNMP support
- ♦ VoIP/SIP support
- ♦ Portscan Detection
- ♦ DoS and DDoS Protection
- ♦ SYN/ICMP Flood Protection
- ♦ DNS Proxy/Routing

WAN

- ♦ Supports Uplinks/WANs: Ethernet (Static/DHCP), PPPoE, ADSL
- ♦ 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

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
- 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 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 HENGE™ 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/Desktop
- Fanless
- Dimension(HxWxD): 110x25.4x100mm
- 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