IFW330

Industrial Firewall Appliance with 2 WAN and 1 LAN

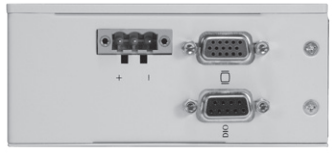
NEW



▲ Front view

Features

- Firewall/NAT/Router all in one
- Security protection: Firewall, IDP, Botnet
- Secure connection: VPN, SSL VPN, WAN connection checking
- IPv4/IPv6 dual mode
- Easy network setup with Network Address Translation (NAT)
- Quick installation, USB restore
- Centralized management
- Dual WAN redundant interface
- Wide temperature operation -40°C ~ 75°C



▲ Rear view

Introduction

Industrial automation industries adopt TCP/IP protocol to simplify development and maintenance. However, this exposes equipment to cyber attacks, spam, and malware.

The IFW330 coming with Firewall and VPN features is an ideal industrial firewall appliance. It is suitable for Ethernet security application in sensitive remote control or monitoring networks, such as in oil, gas, water & wastewater, power or factory automation system.

Equipped with Firewall features such as stateful packet inspection, Denial of Service (DoS), and Intrusion Detection & Prevention (IDP), the Firewall appliance could be used to protect machine and equipment connecting to un-trusted internet.

Built in with IPsec VPN that provides site to site secure tunnel, PPTP VPN that offers point to point connection for employee at home, and SSL VPN that offers you an easy VPN access to your headquarters simply through a web browser, the Firewall router device provide system integrator and machine maker a secure way to configure and maintain their device.

The Firewall appliance also has Industrial Protocol management including EtherCAT, Ethernet/IP, Lonworks, Profinet, Modbus, DNP that pave a way to secure fieldbus network.. Additionally, we offer wide temperature models for use in hazardous, -40~75°C environments.

It has 1 WAN, 1 LAN and 1 configurable WAN/DMZ interface providing flexible configuration for different application.

4 DI can be used to connect to sensor or equipment to monitor status change, which data could be used totrigger alarm or sent to remote central database for further analysis, 4 DO could be pre-set to reflect that change.

Specifications

Interface	LAN: 1 RJ-45 port, WAN: 2 RJ-45 ports
Network features	Quality of Service (QoS) Support IPv4/IPv6 Dual WAN redundant interfaces through internet.
Routing	Static routing, RIP v1/v2
Firewall features	Stateful inspection Filter: MAC, IP, port, protocol Bridge mode firewall Denial of Service (QoS) protection: TCP (SYN), ICMP (ping), ARP (Bridge mode), Port scan NAT: 1-1 NAT, Port forwarding Application software management: VoIP, P2P, SMS, Web, Web Mail, and Entertainment software. Industrial Protocol management: EtherCAT, Ethernet/IP, Lonworks, Profinet, Modbus, ICE, DNP URL white list
Firewall features	Virtual proxy server System status: system performance, connecting status, data flow analysis Whitelist: user group, existing IP white list Router/Firewall Redundancy
Intrusion Detection and Prevention	IDP (Intrusion Detection and Prevention) BotNet prevention Abnormal IP analysis Switch management
VPN features	Protocol: IPsec, PPTP, SSL VPN Encryption: DES, 3DES, AES Authentication: Pre-Shared Key(PSK), SHA, MD5 IPSec Dead Peer Detection Show remote Network Neighborhood SSL VPN: server setting, certificate setting SSL concurrent VPN channels: max. 50 SSL VPN user number: max. 50 VPN channel number: - IPsec channels: max. 500 - PPTP client: max. 200 - PPTP server: max. 200 VPN control Stateful packet inspection NAT Traversal
NAT throughput	500 Mbps
VPN throughput	3Des: 50 Mbps Des: 78 Mbps Aes: 85 Mbps
Load Balance	Inbound load balance Outbound load balance WAN connecting test (ICMP, DNS)
Management	Support Network Time Protocol NTP Web management: HTTP, HTTPs System file backup and upgrade Interface(WAN/LAN) flow statistics System configuration: system configuration default restoration, message notification, export/import, Network Service: Routing table, 802.1Q, DDNS, DNS server, SNMP, DHCP client/server Centralized Management System CMS client/server Networking test: Ping, Traceroute, DNS Query, Server Link IP route, Interface Information, Wake Up, IPv6
Alarming	Digital Input (DI) provide Alarming, accordingly Digital Output (DO) provide Controlling

* All specifications and photos are subject to change without notice.

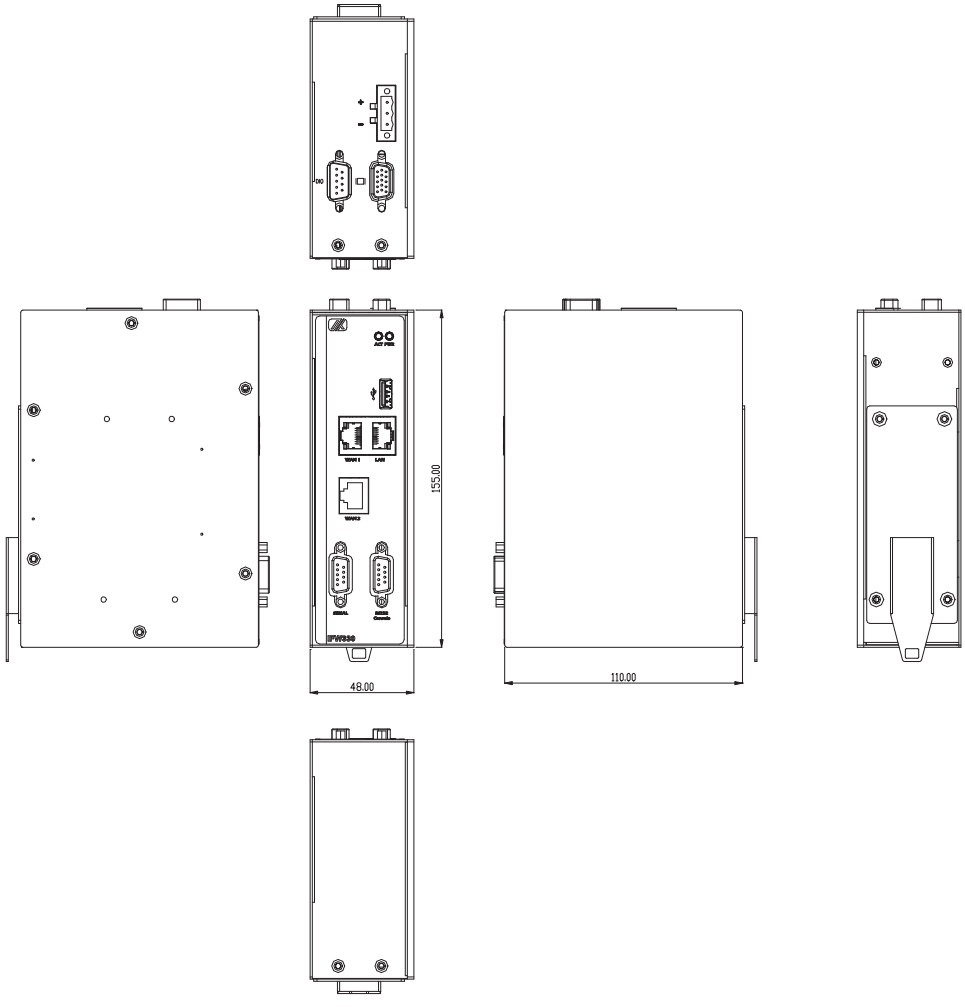
Hardware

Standard Color	Sliver-Black
Construction	Extruded aluminum and heavy-duty steel, IP40
CPU	Intel® Atom™ processor E3815 (1.4 GHz)
System I/O Outlet	- VGA : 1 x DB15 connector - USB : 1 x USB2.0 - LAN : 3 10/100/1000 Ethernet Magnetic isolation protection 1.5KV -Power Input : 1 x DC power input with terminal block -Serial port : 1 console port (RS232), 1 serial port (RS232/422/485) (reserved) -Digital Input/Output : 1 DB9 female connector 4 DI, 4 DO 5V TTL-level ESD protection corresponding to IEC6100-4-2 (±8 kv (Air): ± 4KV (contact) I/O sink current is 10mA (max.)
Memory/Storage	2 GB DRAM, 2 GB CompactFlash™
System Indicator	System : Power, Ready/Active
Power Supply	Wide range 12Vdc-24Vdc power input with terminal block. DC Version: OVP, UVP, Reverse protection
Operating Temperature	-40°C ~ +75°C (-40°F ~ +167°F)
Storage Temperature	-40°C ~ +85°C (-40°F ~ +185°F)
Humidity	5% ~ 95%
Vibration Endurance	2G@5~500Hz, amplitude 0.35mm (operation/storage/transport)
Weight	1 kg
Certification	Heavy Industrial CE FCC Part 18 UL60950-1 (compliance) UL508 (compliance)
Dimensions	48 mm (1.89") (W) x 110 mm (4.33") (D) x 155 mm (17.9") (H)

Ordering Information

Standard	
IFW330	Robust din-rail industrial firewall appliance with 2 WAM & 1 LAN with wide operating temperature -40°C ~ +75°C (-40°F ~ +167°F)

Dimensions



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