WL-620F-A
Industrial Zone Firewall

Description:

The WiSecurity Zone Firewall, combines a number of modern security functions into a single appliance to help protect your Industrial Automation and Control Systems network, not only at the perimeter, but also as the cell/zone level. The compact and robust WiSecurity Zone Firewall is an industrially hardened, managed router that also provides a number of managed switching features. WiSecurity can help simplify the network infrastructure and machine integration by providing a single device to implement Firewall, NAT, and many other services. It helps provide a rapidly deployable, reliable and secure solution designed specifically for industrial applications.

WL-620F-A protects Cell/Area Zone from the greater Industrial Zone by limiting the flow of information and access. Allows OEM providers to define the flow of information and access to their machine from the greater network while making use of features such as NAT.

The control system is no longer an isolated operation. As industrial organizations move towards greater visibility into their operations and advanced analytics, the need to establish a seamless flow of information from device to enterprise becomes extremely important.
An increased need for data gathering within the factory, and connectivity

from device to DMZ to remote industrial sites, from manufacturing zone to manufacturing zone, all have become a requirement of modern industrial networks. With this trend towards the connected enterprise, you now not only have to create a capable and reliable architecture, but a secure one as well.
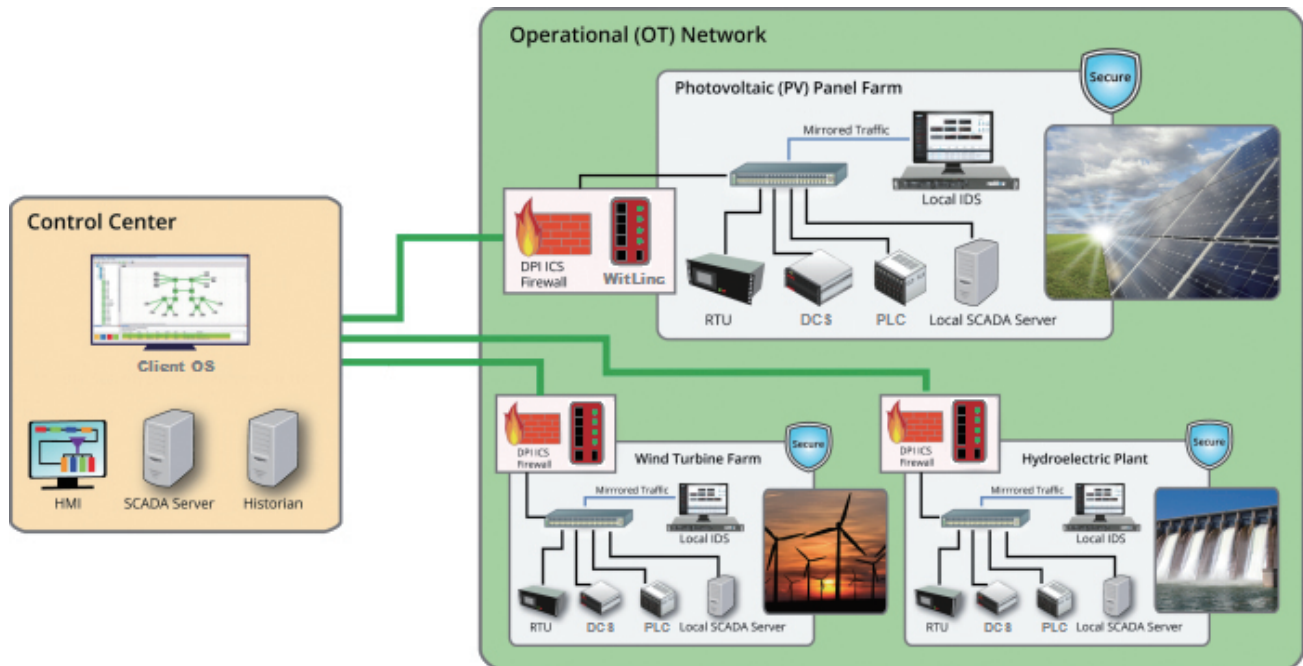With the WiSecurity Zone Firewall, you can help protect and secure your industrial control system.
The WiSecurity Zone Firewall enables manufacturing locations to connect to and communicate with remote outstations. A remotely located machine that needs to securely talk to a plant-based machine can now do so using the firewall features of the device.

This is a common application for industries where equipment that is dispersed across vast distances needs to communicate with each other over an untrusted network to operate a common process.
The appliance allows areas or machines within a factory to be isolated from each other. Using a WiSecurity with firewall capabilities allows you to monitor and block an input, output or system call that does not meet the firewall's configured policy. When combined, a firewall create a more robust, more secure network.
WiSecurity can also help create a secure tunnel for server-machine communications to protect the transfer of important data from other machines in the facility. By creating this segmentation, you are able to harden your network infrastructure so only the right people and/or equipment can communicate with critical production processes and reduce the risks from intentional or unintentional tampering.

WitLinc

Operational (OT) Network

Photovoltaic (PV) Panel Farm

Mirrored Traffic

Secure

Local IDS

DPI ICS Firewall   WitLinc

RTU   DCS   PLC   Local SCADA Server

Control Center

Client OS

HMI   SCADA Server   Historian

DPI ICS firewall   Wind Turbine Farm   Secure

Mirrored Traffic

Local IDS

RTU   DCS   PLC   Local SCADA Server

DPI ICS firewall   Hydroelectric Plant   Secure

Mirrored Traffic

Local IDS

RTU   DCS   PLC   Local SCADA Server

Features:

Highly secure real-time control communication

Secure routing and firewall capabilities

Virtual Private Network (VPN)

Support Ethernet/IP, Modbus TCP, S7 NET, OPC etc

Intrusion protection capabilities

Network Address Translation (NAT)

NBAR protocol filtering

Access Control Lists (ACL)

Quality of Service (QoS) for prioritization

Extended shock and vibration capability

DIN rail mounted

A temperature range of -40°C to $+70$°C

Web-based graphical device management tool

Manage and diagnose network issues

Alarm tools to alert, identify and help solve network problems

Easy-to-use configuration wizards for router, firewall, intrusion prevention system (IPS), unified

WitLinc

Network Specifications

Advanced Firewall Features	Network Address Translation (NAT) State full Packet Inspection (SPI)
Media Access Control	CSMA/CA with ACK
Others	WiVPN, DHCP, DNS, DDNS, ICMP

Hardware Specifications

Size	Width 1.6 inches x Height 4.1 inches x Depth 3.7 inches
Weight	1.1lbs (450g)
Enclosure	Aluminum DIN-Rail
Interface	5×RJ45(10/100Mbps)
Operation Temperature	-40°C - 70°C
Storage Temperature	-40°C - 85°C
Shock	IEC 60068 2-6 (20g, 3-Axis)
Vibration	IEC 60068 2-27 (5g, 10Hz to 150Hz)
Humidity	95% Maximum (Non-condensing)
Power	10-31VDC
Power consumption	Idle:130mA@24VDC Max: 250mA@24VDC Average:160mA@12VDC
Humidity	Up to 95% RH, with no condensation
External Power	10 Vdc to 24 Vdc
Average Power	less than 9 Watts

At WitLinc Technology our mainly focus is to design and manufacture the best industrial data communication products, Provide a full range security solution of Industrial network, there are four categories in WitLinc Technology: WiRouter, WiCloud, WiGateway, WiSecurity; Four types of products involved in all aspects of the industry 4.0, we provide comprehensive product support and services to users.

WiRouter series products can provide service of remote access to users of product and system via industrial wireless; WiCloud can provide absolutely industrial private cloud solution and service; WiGateway can create a powerful connection between different Industrial networks; WiSecurity can make a safety isolation among different Industrial control system, provide users with the perfect solution to network security.

Developed technology，Excellent Quality，Absolutely satisfy...