

# WF-500

The WF-500 Waterfall Unidirectional Security Gateway offers unbreachable industrial protection, enables safe IT/OT integration, secure remote access, and unlimited industrial network monitoring.

Replacing just one layer of firewalls with Unidirectional Gateways in an industrial network environment provides OT networks with an unbreachable level of protection, even against the most sophisticated modern cyber attacks.



## »» How it works:

The software replicates servers, while the hardware provides an impassable physical barrier to attacks.

### 1 Connect

An OT network safely to a less secure IT network

### 2 Protect

The OT network with hardware-enforced technology

### 3 Replicate

OT data in real-time to external networks



## »» Benefits

### Safe IT/OT integration

Seamless IT/OT network integration. Combining the benefits of impenetrable hardware with software-based connectivity

### Defeats online cyber attacks

Reduce down-time, equipment damage, environmental public safety incidents, and ensure operational continuity by preventing cyber attacks

### Seamless integration

Without the need to install software on industrial networks making OT networks transparent to enterprise users and applications

### Extensive COTS solutions

An extensive library of software connectors for industrial systems and devices

### Unlimited connectivity

Enable safe vendor monitoring, secure remote access, and real-time enterprise-wide visibility into operations

### Unbreachable physical barrier

Protects absolutely from online cyber attacks from IT networks or the Internet

## »» Features

**Hardware is modular, flexible, and user-serviceable**



**1Gbps standard throughput**



**Optional High-Availability configuration**



**Front panel cabinet connections for clear system visibility**



**Compatible with Waterfall's large library of off-the-shelf connectors**



**Flexible connector hosting supporting all major operating systems**



## »» Technical Specifications

Dimensions:	43.5(W), 76(D), 4.36(H) cm 1U standard rackmount
Power	110-240VAC, 50-60 Hz
Weight	8 kg
Network Interfaces	12 x 1Gbps

## »» Certification & Compliance

### Certification

Common Criteria EAL4+, Singapore NITES, Korean KC, Israel NIS

### Assessments

Idaho National Labs, Digital Bond Labs

### Enables compliance with

Global ICS Standards & Regulations, NERC CIP, IEC 62443, NRC 5.71, NIST 800-82R2, CFATS, ISO, Industrial Internet Consortium SF, ANSSI ICS Standards, and many more

**One-way for data.  
Zero-entry for attackers.**

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