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

Unidirectional Security Gateway

PLC's & RTU's | Industrial System | **Industrial Network**

Replica Servers | User Stations | **Corporate Network**

» 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
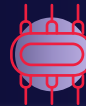
1Gbps standard throughput

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	110-240V AC, 50-60 Hz
Weight	8.9 kg
Network Interfaces	4 x 1Gbps
Temperature:	Operating: +23° +113° F / -5° +45° C | Storage: -40° +158° F / -40° +70° C

Certification & Compliance

Certification: Common Criteria EAL4+, Singapore CSA

EMC: EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B

Safety: EN/IEC/UL 62368-1

Environmental: ETSI EN 300 019-2-2

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

info@waterfall-security.com | waterfall-security.com

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