**Data Sheet**

**Unidirectional Security Gateway WF-500**

Waterfall’s flagship Unidirectional Security Gateway WF-500 replaces firewalls in industrial network environments, providing absolute protection to control systems and industrial control networks from attacks emanating from external less-trusted networks.

Unidirectional Gateways contain both hardware and software components, and ensure data flow in one direction only, from the ICS network to the IT network, **providing 100% protection from remote cyber threats.**

**Unidirectional Security Gateway 1-2-3**

1. **Gathers Data**
2. **Transmits Safely**
3. **Replicates Data**

**Combination of Hardware & Software**

**Our Hardware Makes You Secure**

- **TX Host**: gathers data from industrial servers and devices in the ICS network.
- **TX Module**: a transmitter only containing a fiber-optic laser.
- **Fiber optic cable**: connects TX module to RX module, permitting data flow in one direction only and preventing data from entering back into the protected network.

**Our Software Replicates Servers in Real-Time**

- **RX Module**: an optical receiver only.
- **RX Host**: replicates & emulates a wide array of industrial servers, devices, protocols and other systems on the IT network.

**Features & Benefits**

- Hardware is modular, flexible and user-serviceable
- 1Gbps standard throughput, multi-Gbps with several TX/RX pairs
- Optional HA configuration (high-availability)
- Front panel cabinet connections for clear system visibility
- Wide variety of COTS software connectors, no customization fees
- Flexible connector hosting supporting all major OS

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WF-500 STANDARD  |  WF-500 COMPACT  |  WF-500 DIN RAIL
---|---|---
**Modular Capacity** | 2 | 4 | n/a
**Power Supply** | 2 per side (4) | 2 per side (4) | 2 per system
**Dimensions** | 48.3 x 4.4 x 52 cm | 48.3 x 4.4 x 76 cm | 11.3 x 21.3 x 25 cm
**Weight** | 2.5 kg | 4 kg | 3 kg