

PRODUCT BROCHURE

WF-500 DIN RAIL UNIDIRECTIONAL SECURITY GATEWAY

With the Waterfall DIN Rail, space-constrained sites can benefit from Waterfall's patented physical protection from cyber attacks on industrial networks.

The DIN Rail version of Waterfall's market-leading Unidirectional Security Gateway offers the same high throughput, connectivity and functionality as Waterfall's full rack-mounted version. The DIN Rail Unidirectional Gateway maintains the highest level of cybersecurity available for protecting industrial control systems and critical infrastructure facilities from remote online attacks. The availability of a smaller form factor is designed for substations, pumping stations, compressor stations and more.

All the functionality of a Unidirectional Security Gateway

in DIN Rail form factor



SAFE IT/OT INTEGRATION FOR COMPACT ENVIRONMENTS

Seamless SCADA and enterprise network integration for space-constrained environments while preventing Internet-based cyber threats

STRONGER THAN FIREWALLS

An evolutionary alternative to firewalls in a strong preventative cybersecurity program for Industrial Control Systems

REDUCED DOWN-TIME

Ensure operational continuity by preventing plant shutdowns and potential damage to plant assets, the environment and even human lives

SAME SECURITY AS STANDARD WF-500

DIN Rail supports 1Gbps throughput, 100+ software connectors on the market – commercial off-the-shelf solutions, and optional High Availability configuration

Protecting industrial sites since 2007



Rails



Oil & Gas



Power



Manufacturing



Water



Pharma

THEORY OF OPERATION

1 GATHERS DATA

2 TRANSMITS SAFELY

3 REPLICATES DEVICES



WF DIN RAIL TECHNICAL SPECIFICATIONS

Dimensions	11.3 x 21.3 x 25 cm
Copper Network Intf	1 Gbps
Fiber Network Intf	1
Power	9-36 V
Weight	3 kg

PLUG-N-PLAY SOFTWARE CONNECTORS

100+ COTS CONNECTORS

Waterfall connectors can run on Waterfall DIN Rail Hosts (optional), customer supplied servers or virtual machines*, and are supported on Windows, Linux, Solaris, AIX, VxWorks & other OS.

*subject to Waterfall's minimum requirements guidelines

HISTORIANS & INDUSTRIAL APPLICATIONS

- Osisoft: PI System, PI Asset Framework, PI Backfill
- GE: iHistorian, iHistorian Backfill, OSM, Bently-Nevada System1, Proficy HMI
- Schneider-Electric: Instep eDNA, Wonderware Historian, Wonderware Historian Backfill, ClearSCADA
- Siemens: SIMATIC, WinCC, WinTS, SINAUT, Spectrum
- Emerson: Ovation, EDS, EMS
- Areva: PowerPlex, PowerTrax
- AspenTech IP.21, Rockwell FactoryTalk Historian, Honeywell Alarm Manager, Scientech R*Time

IT APPLICATIONS

- FireEye: TAP, Helix and FaaS
- Log Files, SMTP, SNMP, Syslog, CA Unicenter, CA SIM
- HP Openview, IBM Tivoli, HP ArcSight, McAfee ESM, Splunk, QRadar
- MSMQ, IBM Websphere MQ, Active Message Queue, TIBCO

INDUSTRIAL PROTOCOLS

- OPC DA, A&E, HDA, HDA Backfill and UA
- Siemens S7, Modbus, Modbus Plus, DNP3, ICCP, IEC 60870-5-104, IEC 61850
- Omnicom

REMOTE ACCESS

- Remote Screen View
- Secure Bypass (SBP)

FILE TRANSFER

- Folder mirroring, Rsync, Local Folders
- FTP, FTPS, SFTP, TFTP, RCP, SMB, HTTPFS
- NFS, CIFS

RELATIONAL DATABASES

- Microsoft SQL Server, Oracle
- MySQL, PostgreSQL

OTHER CONNECTORS

- UDP, TCP, NTP, Multicast Ethernet
- Video & audio streaming
- Anti-virus updater, WSUS updater, OPSWAT updater
- Remote printing