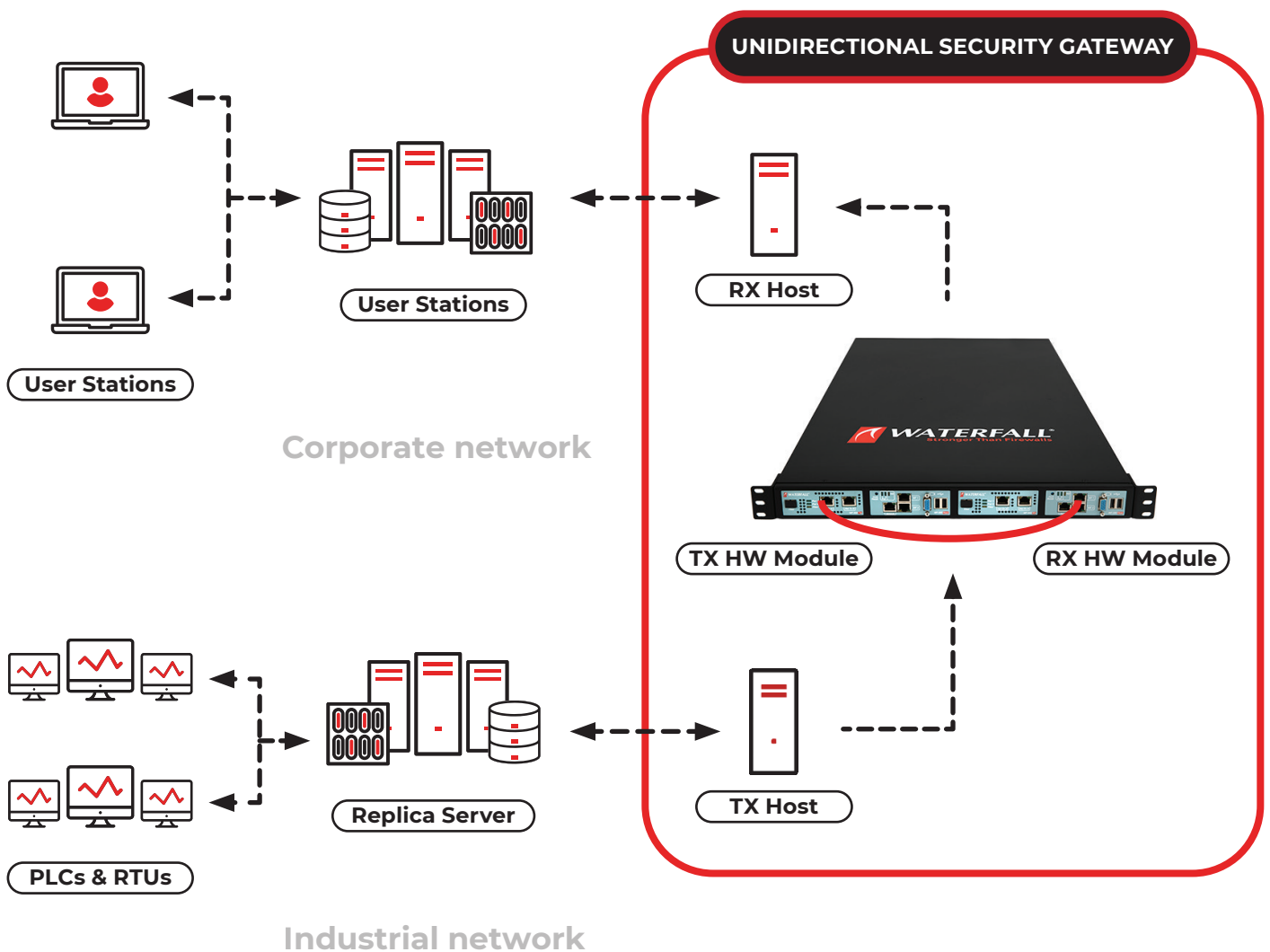


# WATERFALL

## Unidirectional security gateway

**Unidirectional Security Gateways** are a combination of hardware and software:

- ◆ The hardware sends information in one direction only
- ◆ The software replicates servers and emulates devices from the OT to the IT network
- ◆ No attack, no matter how sophisticated can propagate back into the industrial network through the gateway



## Industrial Software Support



### Historians & Databases

- ◆ OSIsoft: PI System, PI Asset Framework, PI Backfill
- ◆ GE: iHistorian, iHistorian Backfill, OSM, Bently-Nevada System1,
- ◆ Schneider-Electric: Wonderware eDNA, Wonderware Historian, Wonderware Historian Backfill, SCADA Expert ClearSCADA
- ◆ AspenTech IP.21, Rockwell FactoryTalk Historian, Honeywell Alarm Manager, Scientech R\*Time,
- ◆ Microsoft SQL Server, Oracle MySQL, PostgreSQL



### Other connectors

- ◆ TimeSync, Netflow
- ◆ Video & audio streaming
- ◆ Kaspersky, Norton, FortiGate, Check Point, McAfee and OPSWAT
- ◆ Anti-virus updaters
- ◆ OPSWAT Metasploit
- ◆ WSUS and Linux Repository updaters
- ◆ Tenable Nessus Network Monitor, Nessus Security Center Updates
- ◆ Remote printing
- ◆ Yokogawa OPC
- ◆ GE: iFix, ISD, IST
- ◆ Modbus, DNP3, ICCP, IEC 60870-5-104, Omni Flow



### File transfer

- ◆ Folder mirroring, Local Folders
- ◆ FTP/S, SFTP, TFTP, SMB, CIFS, NFS, HTTPFS
- ◆ Log Mirroring



### Industrial applications and protocols

- ◆ FireEye: Helix & Managed Defense
- ◆ Email/SMTP, SNMP, Syslog
- ◆ ArcSight, Splunk, IBM QRadar, McAfee ESM, Nozomi, CyberX, Tenable.ot,
- ◆ MSMQ, IBM MQ, Active Message Queue, AMQP, TIBCO,
- ◆ SolarWinds Orion, Thales Aramis, IOSight, Panorama



### Enterprise monitoring

- ◆ FireEye: Helix & Managed Defense
- ◆ Email/SMTP, SNMP, Syslog
- ◆ ArcSight, Splunk, IBM QRadar, McAfee ESM, Nozomi, CyberX, Tenable.ot,
- ◆ MSMQ, IBM MQ, Active Message Queue, AMQP, TIBCO,
- ◆ SolarWinds Orion, Thales Aramis, IOSight, Panorama



### Remote access

- ◆ Remote Screen View
- ◆ Secure Bypass