OPSWAT.

OTfuse™

Industrial Intrusion Protection System (IPS)

Device Level Intrusion Protection

Many industrial OT environments are built around a flat network design with very little practical segmentation. Simple user names and passwords are in widespread use and shared across operations teams and across multiple points of physical connectivity.

As a result, many OT networks lack internal security controls, putting OT assets at risk from unauthorized/hostile use and unintended misuse. OTfuse™ establishes a crucial line of defense for OT hardware assets to protected OT networks, and without disrupting the work procedures of business stakeholders.

OTfuse is an industrial security appliance and intelligent Intrusion Prevention System (IPS) that sits in front of industrial endpoints to protect mission-critical PLC, VFD, DCS, and other network connected devices. Operating as a transparent OSI Layer-2 bridge, OTfuse automatically learns and enforces the normal operations of your plant environment and eliminates threats in real time.

It protects industrial assets from unauthorized config changes, device resets, device reads, logic updates, and message values.

OPSWAT offers an OTfuse Standard and OTfuse Lite versions. The OTfuse Standard appliance support up to 15 industrial device and the Lite version supports 3.

## Easy and Automated Protection

OTfuse installs easily at the cabinet level and self-learns your OT network subnets. No IP address is needed (except for management) and no reconfiguration of your existing network segmentation and subnet address scheme.

In real time, the appliance controls who is permitted to communicate using what protocol and command types and when.

As such, OTfuse supports the implementation of IEC62443-3 standard for segmentation and controlling the traffic flows between different zones in the industrial environment.

OPSWAT.

OTfuse
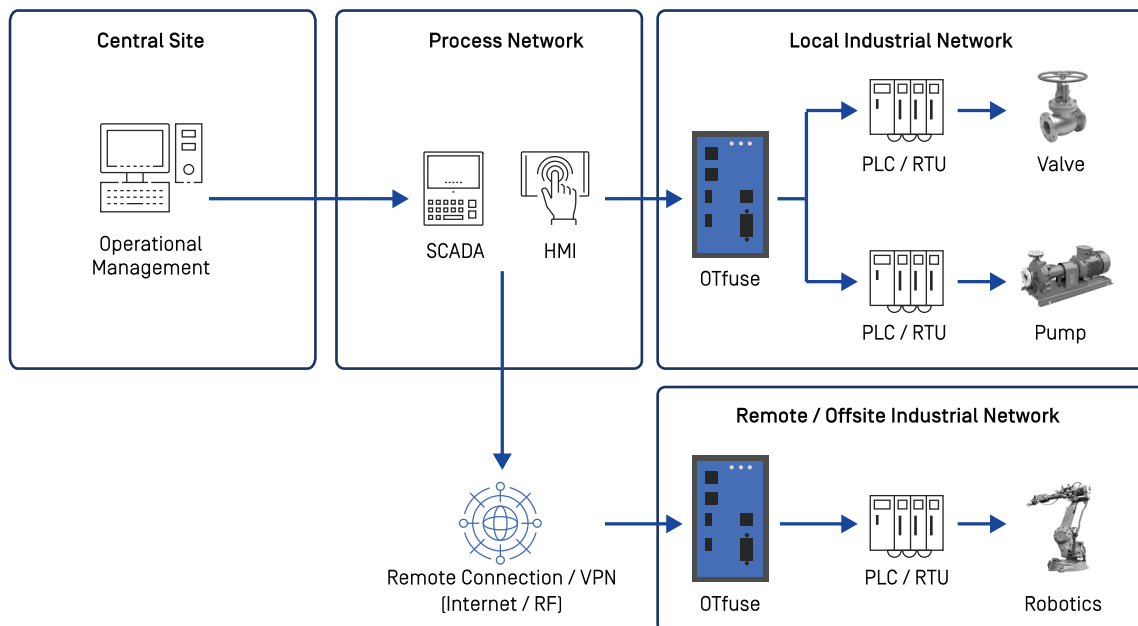
Protecting iFIX and Cimplicity Networks

OTfuse GE is an industrial network security appliance specifically engineered to understand and self-learn iFIX protocol communication patterns and prevent unauthorized communications from reaching GE iFIX assets. The appliance governs access to iFIX 6.x HMI and SCADA systems and maximizes protection for all the iClients in use across your deployment, making sure that unauthorized nodes cannot interact with the rest of the site.

OTfuse GE does the same for industrial networks whose HMI and SCADA systems use the GE Cimplicity communication protocol.

OTfuse GE Cybersecurity Features

OPSWAT provides five essential security controls to protect iFIX and Cimplicity HMI, SCADA, clients and view nodes as they interact with each other and the broader OT/IT network.

OPSWAT OTfuse GE

Network Risks	Real-time Security Protection		Control
Unknown nodes or clients	Alert and block attempt to add any node that interacts with or modifies iFIX system behavior		Rogue Node Detection
Unauthorized scanning or communication	Prevent network activity from detecting protected nodes		Reconnaissance Detection/ Prevention
Unintentional reconfiguration or update	Permit only read-type function codes on native iFIX or Cimplicity protocols except during admin-defined timeframe		Scheduled Maintenance Enforcement
Very high message rates [DoS]	Block IPs that exceed normal message rates		DoS/DDoS Protection
Fake devices	Direct enforcement of known IP and MAC addresses for trusted iFIX or Complicity SCADA nodes and clients		IP Spoofing Protection

OPSWAT.

Trust no file. Trust no device.

OPSWAT.com/contact

Application and Protocol Support

Supported Protocols	TCP, UDP, MODBUS, ETHERNETIP, S7COMM, SLMP, FINS, VNETIP, BACNET, DNP3, EGD
GE SCADA / HMI Software	CIMPLICITY, iFIX
GE Proprietary Protocols	DICOM, GE-ADL, GE-SDI, GE-SRTP, IEC60870, MMS

Specifications

Spec	OTfuse Standard, OTfuse GE	OTfuse Lite
Hardware Manufacturer	Lanner	CompuLab
Number of OT devices supported:	Up to 15	Up to 3
CPU	ATOM (E3845)	Celeron J3455
RAM	8GB	4GB
Storage	128GB	64GB SATA SSD
USB Interfaces	2 (1x2.0; 1/3.0)	4 (2x2.0 + 2x3.0)
Power Inputs	2 voltage inputs (redundant power)	1 twist lock input
Input Power Range	12-36 VDC power input	9-24V DC
Serial (Console)	Yes (1)	1 (optional, requires special cable)
Ethernet Ports	2/4 3 Gigabit	2 GbE
Bypass Pair {Qty}	Yes (1)	No
Operating Temp Range	Standard: -40^{0}C to +75^{0}C	-20^{0}C to +40^{0}C
Digital Input	No	No
Dimensions	146H/127D/78W (mm)	112H/84D/34W (mm)
Weight	1.45 kg	350 grams
Standard Certificates and Declarations	CE/FCC Class A/RoHS/ UL / C1 div II	UL lister for USA and Canada
Vibration 60068-2-6, test Fc	Yes	IEC TR 60721-4-7
EMC Interference Certification	EN55032:2015+AC:2016 Class A: EN55024:2010	n/a