

EdgeIPS™

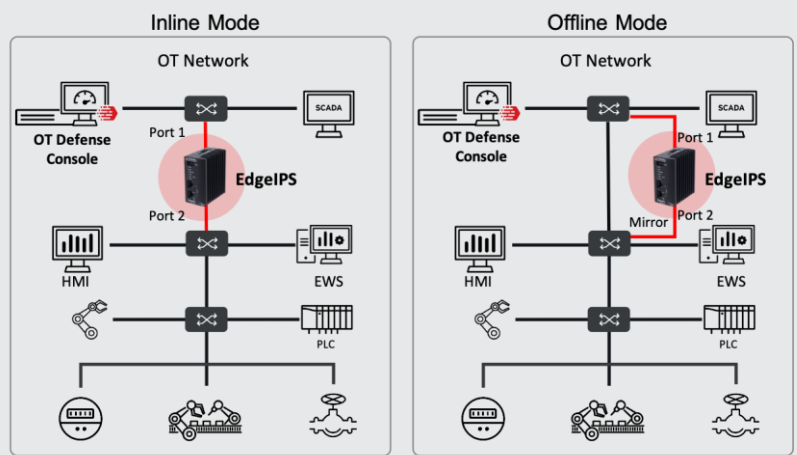
Industrial Next-Generation IPS Series

Transparent Security Box Protects Mission-Critical Machines & Supports Continuous Production Line Operation

It is a painful process requiring costly investment to change the infrastructure of security countermeasure deployment, especially in an air-gapped network environment connected with a massive number of assets that were not designed for the modern corporate network.

EdgeIPS ensures the security of individual assets and small production zones through hassle-free transparent deployment, providing OT visibility and OT protocol filtering with the option of inline or offline functionality. This security solution is designed specifically to fit into your network without disturbing your pre-existing configurations.

EdgeIPS creates visibility and rock-solid cyber defense for the legacy systems and unpatched devices that make up the backbone of your production line, ensuring uninterrupted operation.



Benefits

Minimize time spent on configuration, maintenance, and administration

- Easy on-site deployment aligns transparently with existing network.
- Works excellently stand-alone or synergizes well with Centralized Management System “OT Defense Console”.
- Certified industrial-grade hardware with packet size, dual power input, wide thermal operation range, and durability tailored for industrial cabinet design and OT environments.
- Ruggedized to work well in temperatures wherever you need it deployed.

High deployment flexibility lets you place EdgeIPS at any point you need to protect

- Immediate and continuous threat protection through flexible deployment options that are easily installed and managed by the centralized management interface.
- Protect vulnerable unpatched devices and legacy systems.
- Signature-based virtual patching protects your assets against OT exploits.
- Incident response operates in accordance with factory SOP.

Boost your visibility and the reliability of your mission-critical assets without altering your network topology

- Operate with a high level of asset visibility using passive asset identification and IT/OT traffic communication within OT networks.
- Set up hardware failover and minimize downtime for patching or maintenance.
- Increase Shadow OT visibility.
- Purify OT network communication.
- Smooth event and traffic monitoring with event log tracing.
- View and query event logs with built-in log viewer.



Key Features

- Transparent Network Traffic Monitoring and control**
 EdgeIPS is designed for use in levels 1-3, in front of mission-critical assets or at the network edge. Its transparency and ability to sense your network traffic and production assets allow EdgeIPS to fit right into your network without disrupting operations.
- OT-Aware Operational Intelligence**
 Our core technology for EdgeIPS, TXOne One-Pass DPI for Industry (TXODI™), gives you the ability to create and edit Allowlists, allowing for interoperability between key nodes and deep analysis of L2-L7 network traffic.
- Switch between Two Flexible Modes, 'Monitor' & 'Protect'**
 EdgeIPS flexibly switches between 'Monitor' and 'Protect' modes. 'Monitor' mode and 'protect' mode preserve your productivity while maximizing security.
- Improve Shadow OT Visibility By Integrating IT and OT Networks**
 EdgeIPS comes equipped to make your IT and OT networks as integrated and coordinated with each other as possible, and to grant visibility of your shadow OT environment.
- Signature-Based Virtual Patching**
 Through virtual patching your network has a powerful, up-to-date first line of defense against known threats. Users have superior control of the patching process, which creates a pre-emptive defense during incidents, and provides additional protection for legacy systems.
- Top Threat Intelligence and Analytics**
 EdgeIPS provides advanced protection against unknown threats with its up-to-date threat information. With the help of the Zero Day Initiative (ZDI) vulnerability reward program, EdgeIPS offers your systems exclusive protection from undisclosed and zero-day threats.
- Supports a Wide Range of Industrial Protocols**
 EdgeIPS supports OT protocols including Modbus, Ethernet/IP, CIP, and more, allowing OT and IT security system administrators to collaborate. This allows for seamless operation with existing network architecture.
- Management Easily Centralized**
 Pattern updates and firmware management can all be centralized on a large scale. For facilities with many EdgeIPS nodes, the OT Defense Console (ODC™) can help administer and manage them, reducing costs and improving performance.

EdgeIPS™ Specifications

Features	EdgeIPS 102-BP-TM
Threat Prevention Throughput	200Mbps at least (IMIX) / 600Mbps (UDP 1518 bytes)
Latency	<500 micro seconds
Concurrent Connection (TCP)	30,000
Supported ICS Protocol	Modbus / EtherNet IP / CIP / FINS / S7Comm/ S7comm+/ TOYOPUC, with more being added regularly
Policy Enforcement Rules	512 Rules
ICS Protocol Filter Profiles	32 Profiles
Form Factor	DIN-rail mounting and Wall mounting (with optional kit)
Weight (Stand-Alone Device)	322g (0.7098 lb)
Dimensions (W x D x H)	40.2mm x 70.1mm x 83.3mm (1.58 x 2.75 x 3.27 in)
Network Interface Type	2 x Auto-sensing 10/100/1000 Mbps ports (RJ45 connector)
USB Interface	1 x USB v2.0 Type-A
Management Interface(Web Console)	With Uplink port shared
Hardware Fail-over	Hardware bypass
Management Console interface	USB Type-C Console
Input Voltage	12/24/48 VDC
Input Current	0.483/0.241/0.127 A
Power Supply	Dual-power input (4-pin terminal block, V+, V-)
Operating Temperature	-40 to 75 °C (-40 to 167 °F)(Wide Temperature)
Ambient Relative Humidity	5 to 95% non-condensing
Non-operating / Storage Temp.	-40 to 85 °C (-40 to 185 °F)
Non-operating / Storage Relative Humidity	5 to 95% non-condensing
Vibration	IEC60068-2-6 (without any USB devices attached)
Mean Time Between Failure (MTBF)	700,000 hours +
Safety Certification	CE ,UL,UL 60950-1
Electromagnetic Compatibility	EMI: CISPR 32, FCC Part 15B Class A EMC: EN 55032/35, VCCI Class A
Green Product	RoHS, RoHS2, CRoHS, WEEE

* Note: Performance is measured in a Laboratory, performance values may vary according to test condition and system configuration.



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