

# EdgeIPS™ Pro

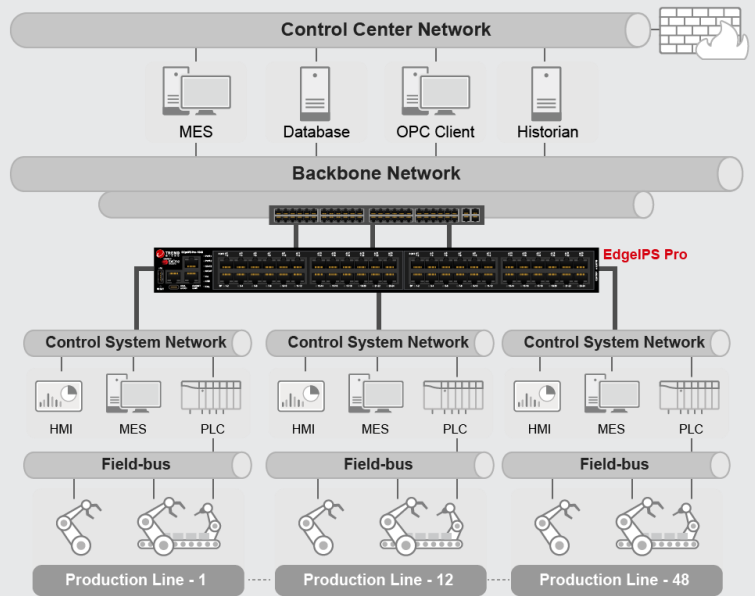
## Intent-Based Industrial Intelligent IPS Array

## Industrial Transparent Multi-Segment Security Appliance Protects Mission-Critical Machines & Supports Continuous Production Line Operation

Intent-based network segmentation is the foundation of convenient and reliable ICS network security, eliminating cyber-attack surfaces and reducing the impact of any security incident. Proper network segmentation comes with two countermeasures: internal segmentation and micro-segmentation. Micro-segmentation is the most effective approach, but faces many challenges to deployment and management when applied to a large-scale network environment.

EdgeIPS Pro is a purpose-built appliance, set up for friendly, rack-mounted deployment and equipped with in-depth OT protocol filtering to enable administrators to easily manage micro-segmentation for a complex environment. Created using the solid ICS security building block EdgeIPS, it's built from the ground up to isolate and protect multi-segment networks. This security solution is designed specifically to fit transparently into the IT-OT convergency network environment.

EdgeIPS Pro creates visibility and rock-solid cyber defense for legacy systems and unpatched devices, in addition to the Gen3 hardware bypass that makes up the backbone of your production line, ensuring uninterrupted operation.



## Benefits

### Efficient configuration, maintenance, and administration

- Effortless deployment aligns transparently with existing network.
- Works excellently independently or synergizes well with "OT Defense Console" Centralized Management System.
- Certified powerful hardware with standard rack-mount sizing, redundant power design, high availability, and durability tailored for OT environments.

### High deployment flexibility and multi-segmenting empower you to protect your network

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

### Boost 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.
- 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.

### High Availability with Fail-Safe Multi-Segmenting

- Active-active and active-passive with stateful failover
- Available with 24 or 48 paired ports to support multi-segmented hardware failover, minimizing downtime for patching or maintenance.
- Module-based swappable extendable module card.



# Key Features

- Multi-Segmenting with Integrated Security**  
 EdgeIPS Pro is designed for use in levels 1-3, both in front of mission-critical assets and at the network edge. Transparent, as well as prepared to sense your network traffic and production assets, EdgeIPS Pro fits right into your network without disrupting operations.
- OT-Aware Operational Intelligence**  
 Our core technology for EdgeIPS Pro, 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.
- High Port Density and Flexible Deployment**  
 EdgeIPS Pro flexibly switches between ‘Monitor’ and ‘Prevention’ modes, and supports up to 24 or 48 segments to preserve your productivity while maximizing security.
- Improve Shadow OT Visibility By Integrating Your IT and OT Networks**  
 EdgeIPS Pro 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 Pro provides advanced protection against unknown threats with its up-to-date threat information. With the cutting-edge research of the Zero Day Initiative (ZDI) vulnerability reward program, EdgeIPS Pro offers your systems exclusive protection from undisclosed and zero-day threats.
- Supports a Wide Range of Industrial Protocols**  
 EdgeIPS Pro supports OT protocols including Modbus, Ethernet/IP, CIP, EDA, and more, allowing OT and IT security system administrators to collaborate. This allows for seamless operation with existing network architecture.
- Easily Centralized Management with Convenient, Consolidated Overview**  
 Pattern updates and firmware management can all be centralized on a large scale. For facilities with EdgeIPS Pro, the OT Defense Console (ODC™) supports administration and management to reduce cost and add large-scale efficiency.

## EdgeIPS™ Pro Specifications



Features	EdgeIPS Pro - 1048	EdgeIPS Pro - 2096
Threat Prevention Throughput *	10Gbps (IMIX) / 20Gbps ( UDP 1518 bytes)	20Gbps (IMIX) / 40Gbps ( UDP 1518 bytes)
Latency	<200 microseconds	
Concurrent Connections (TCP)	2 Million	4 Million
Supported ICS Protocol	Modbus / EtherNet IP/ CIP/FINS/ S7Comm/S7Comm+/SECS/GEM,with more being added regularly	
Policy Enforcement Rules	50,000 Rules	100,000 Rules
ICS Protocol Filter Profiles	256 Profiles	256 profiles
Form Factor	1U rack mount	2U rack mount
Weight (Stand-Alone Device)	15.8kg (34.854 lb)	23.67kg (52.182 lb)
Dimensions (W x D x H)	438mm x 750mm X 44mm (17.24 X 29.53 X 1.73 in)	438mm x 750mm X 88mm (17.24 X 29.53 X 3.46 in)
Network Interface Type	10/100/1000 BASE-TX (RJ-45) x 48 ports	10/100/1000 BASE-TX (RJ-45) x 96 ports
Hardware Failover	24 Segments Gen3 Hardware bypass	48 Segments Gen3 Hardware Bypass
USB Interface / Serial Console	1x USB Interface (Type-A) / 1x USB Interface (Type-C) for serial console	
MGMT Interface / Mirror Interface	1 x 10GE/1GE RJ-45(MGMT) / 1 x 10GE/1GE RJ-45(Mirror)	
HA Port	1 x 10/100/1GE RJ-45 for HA Port	1 x 10/100/1GE RJ-45 for HA Port
Input Voltage	90 ~ 264 VAC FULL RANGE	
Power Supplies	Redundant hot swap 800W power supplies (1+1 AC)	
Operating Temperature	0 - 40°C (-40 - 167°F)	
Ambient Relative Humidity	5 to 95% (non-condensing)	
Storage Temp.	-40 - 85°C (-40 - 185°F)	
Vibration	2 Gems @ UEC 60068-2-64, random wave, 5-500HZ, 1hr per axis (without any USB devices attached)	2 Gems @ UEC 60068-2-64, random wave, 5-500HZ, 1hr per axis (without any USB devices attached)
Mean Time Between Failure (MTBF)	50,000 hours based on 25°C	
Safety Certification	CE ,UL, EN60950-1, IEC60950-1, UL60950-1	CE ,UL, EN60950-1, IEC60950-1, UL60950-1
Electromagnetic Compatibility	VCCI, FCC	
Rack Rail Support	Rack Mounting Ears , Sliding Rails	
Green Product	Rohs, CRoHS, WEEE	
Central Management System	Supported OT Defense Console, ODC	

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

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