

EdgeIPS™ Pro 216

Intent-Based Industrial Intelligent IPS Array

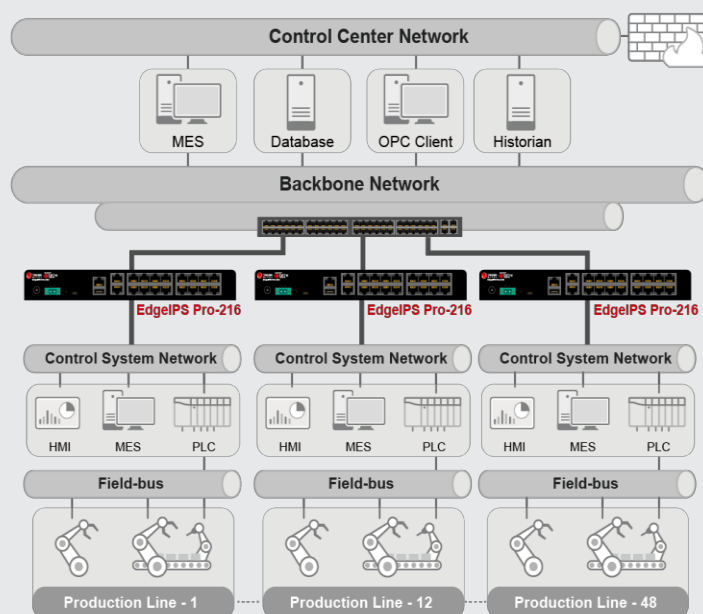
DATASHEET

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 OT digital safety, 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 216 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. Built from the ground up using the solid ICS security building block EdgeIPS™ Pro, it isolates and protects multi-segment networks for small-to-medium businesses (SMBs). This security solution is designed specifically to fit transparently into the IT-OT convergence network environment.

EdgeIPS™ Pro 216 creates visibility and rock-solid cyber defense for legacy systems and unpatched devices, in addition to the 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 8 paired ports to support multi-segmented hardware failover, minimizing downtime for patching or maintenance.
- Commercial and ruggedized to handle harsh environments that need digital safety.



Key Features

● Multi-Segmenting with Integrated Security

EdgeIPS™ Pro 216 is designed for use in levels 1-3, both in front of mission-critical assets and at the small-medium size network edge. Transparent, as well as prepared to sense your network traffic and production assets, EdgeIPS Pro 216 fits right into your network without disrupting operations.

● OT-Aware Operational Intelligence

Our core technology for EdgeIPS™ Pro 216, 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 216 flexibly switches between 'Monitor' and 'Prevention' modes, and supports up to 8 segments to preserve your productivity while maximizing security.

● Improve Shadow OT Visibility By Integrating Your IT and OT Networks

EdgeIPS™ Pro 216 comes equipped to make your IT and OT networks as integrated and coordinated with each other

● Signature-Based Virtual Patching and Antivirus

Virtual patching shelters endpoint and network vulnerabilities while signature-based antivirus provides an extra layer of protection under EdgeIPS™ Pro 216. Research-supported, up-to-date signatures protect against the latest threats and the frequency of flexible updates is fully under administrator control.

● Top Threat Intelligence and Analytics

EdgeIPS™ Pro 216 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 216 offers your systems exclusive protection from undisclosed and zero-day threats.

● Supports a Wide Range of Industrial Protocols

EdgeIPS™ Pro 216 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 216, the OT Defense Console (ODC™) supports administration and management to reduce cost and add large-scale efficiency.

EdgeIPS™ Pro - 216 Specifications



Features	EdgeIPS™ Pro – 216	EdgeIPS™ Pro – 216 Rugged
Model	IPSP-216-COMMERCIAL-BP-TM	IPSP-216-RUGGED-BP-TM
Threat Prevention Throughput / Firewall Throughput*	1.8 Gbps+ (IMIX) / 12 Gbps+ (UDP 1518 bytes)	
Latency	<500 microseconds	
Concurrent Connections (TCP)	200,000	
Intrusion Prevention / Antivirus	Yes / Yes	
Supported ICS Protocol	Modbus / EtherNet IP / CIP / FINS / S7Comm / S7Comm+ / SECS/GEM / IEC61850-MMS / IEC-104, with more being added regularly	
Policy Enforcement Rules	8000 Rules	
ICS Protocol Filter Profiles	256 Profiles	
Form Factor	DIN-Rail mounting, Server Rack Mount and Wall mounting (with optional kit)	
Weight (Stand-Alone Device)	2000g (114.4092 lb) without accessory kits	3200g (7.0547 lb) without accessory kits
Dimension (W x D x H)	250mm x 260mm X 42mm (9.84 X 10.23 X 1.65 in)	250mm x 240mm X 38mm (9.84 X 9.44 X 1.5 in)
Network Interface Type	10/100/1000 BASE-TX (RJ-45) x 16 ports	
Hardware Failover	8 x Segments with configurable 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 1GE RJ-45(MGMT) / 1 x 1GE RJ-45(Mirror)	
HA Port	1 x 10/100/1GE RJ-45 for HA Port	
Power Supply	Dual Power input, 1x Terminal Block / 1 X 12V DC in Jack	
Power Input	12/24/48 VDC, Dual Redundant Inputs (1 x 3 Pin Terminal Block, Shall Locate in front panel); Reverse Polarity Protection Supported. (* 12V VDC Recommended) and 1 X DC-IN Jack (12V)	
Operating Temperature	0 to 40 °C (32 to 104 °F)	-40 to 75 °C (-40 to 167 °F) (Wide Temperature)
Ambient Relative Humidity	5 to 95% (non-condensing)	
Storage Temp.	-40 - 85°C (-40 - 185°F)	
Vibration	2 Gms @ UEC 60068-2-64, random wave, 5-500HZ, 1hr per axis (without any USB devices attached)	
Mean Time Between Failure (MTBF)	700,000 hours +	
Safety Certification	CE ,UL, EN60950-1, IEC60950-1,UL60950-1	
Electromagnetic Compatibility	EMI: CISPR 32, FCC Part 15B Class A / EMC: EN 55032/35, VCCI Class A	
Green product	RoHS, RoHS2, CRoHS, WEEE	
Centralized management Console	Supported OT Defense Console, ODC	

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

- Each EdgeIPS Pro is entitled to 1 year hardware warranty. Upon renewal of the software license and hardware warranty extension, the hardware warranty will be able to be extended for the same renewal period, subject to a maximum warranty period for the hardware of 7 years.



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