

EdgeIPS™ Pro 216

Intent-Based Industrial Intelligent IPS Array

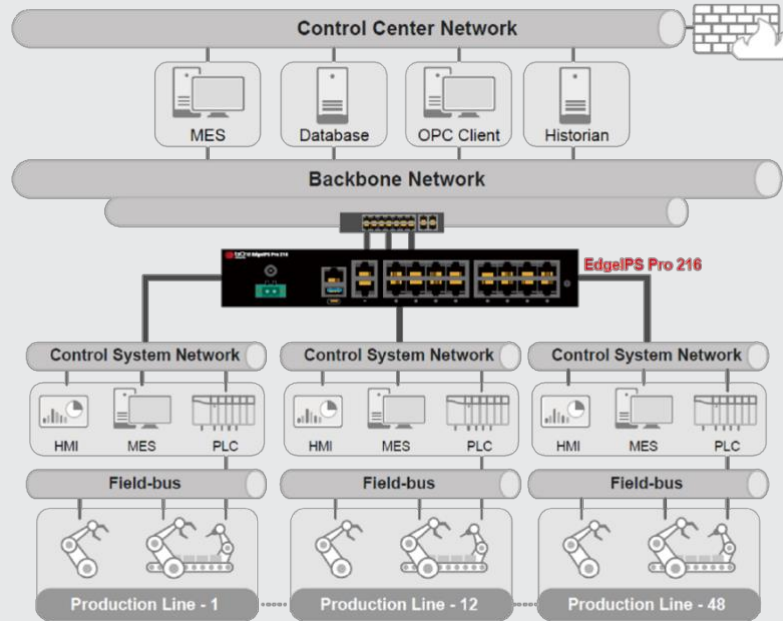
DATASHEET

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 cyberattack 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 it poses many challenges in 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 216 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 your existing network.
- Works excellently as a standalone and synergizes well with our centralized management system EdgeOne™.
- Certified powerful hardware with compact sizing, redundant power design, high availability, and durability tailored for OT environments.

High Deployment Flexibility and Multi-Segmenting Empower You to Protect Your Network

- Provides immediate and continuous threat protection through purpose-built deployment options for easy installation and management via the centralized management interface.
- Protects vulnerable unpatched devices and legacy systems.
- Shields your assets against OT exploits with signature-based virtual patching.
- Incident response operates in accordance with factory SOP.

Boost Visibility and Reliability of Mission-Critical Assets without Altering Your Network Topology

- Operates with a high level of asset visibility using passive asset identification and IT/OT traffic communication within OT networks.
- Increases Shadow OT visibility.
- Purifies OT network communication.
- Smooth event and traffic monitoring with event log tracing.
- View and query event logs with the built-in log viewer.

High Availability with Fail-Safe Multi-Segmenting

- Active-Active and Active-Passive with stateful failover
- Equipped with 8 port pairs to support multi-segmented hardware failover, minimizing downtime for patching or maintenance.
- Commercial and ruggedized hardware for harsh environments that need digital safety.



Key Features

- **Multi-Segmenting with Integrated Security**

EdgeIPS Pro 216 is designed for use in levels 1-3, in front of mission-critical assets or at the small-medium size network edge. Transparent as well sensitive to 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, enabling 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 as possible, and to grant visibility of your shadow OT environment.

- **Policy Rule Auto Learning**

EdgeIPS Pro 216 automatically learns network connections based on daily OT operations and generates allowlists, reducing deployment time.

- **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 your production assets against the latest threats, and the frequency of flexible updates is fully under the administrator’s 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 rewards program, EdgeIPS Pro 216 offers your systems exclusive protection from undisclosed and zero-day threats.

- **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 for seamless operation within the existing network architecture.

- **Centralized Management with Convenient, Consolidated Overview**

Pattern updates and firmware management can all be centralized on a large scale. For facilities with massive EdgeIPS Pro 216 nodes, EdgeOne™ helps administer and manage them by group, reducing costs and increasing large-scale efficiency.

EdgeIPS™ Pro - 216 Specifications



| Feature | 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 (Standalone Device) | 2000g (4.4092 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 Gems @ 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, CrRoHS, WEEE | |
| Centralized Management Console | Supports EdgeOne | |

* Note: Performance is measured in a laboratory; performance values may vary according to test conditions 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 of 7 years.