

EdgeIPS™ 102

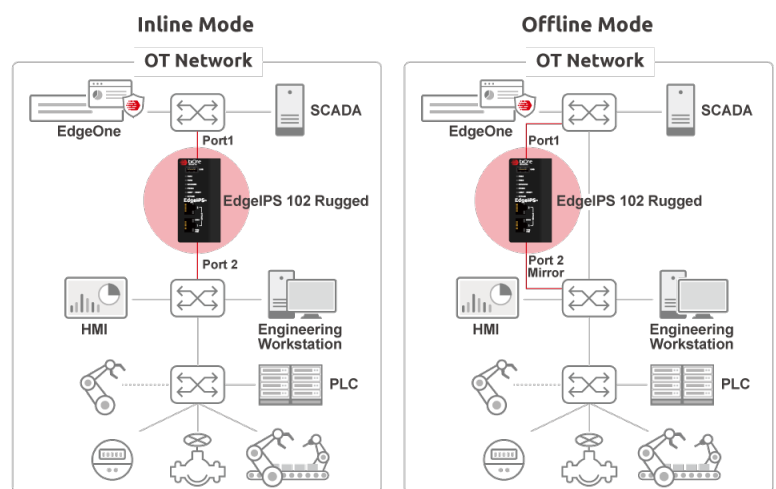
Next-Generation IPS Series

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™ 102 ensures the security of individual assets and small production zones through hassle-free transparent deployment to provide 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 existing configurations.

EdgeIPS™ 102 creates visibility and rock-solid cyber defense for legacy systems and unpatched devices, in addition to the hardware bypass, all of which make up the backbone of your production line to ensure uninterrupted operation.



Benefits

Minimize time spent on configuration & management

- Easy on-site deployment that seamlessly integrates with your existing network.
- Works independently and effectively and can be centrally managed by EdgeOne™.
- Supports hardware failover setup to minimize downtime during patching or maintenance.

Effortless network segmentation with auto-rule learning

- Creates L3 and L2 baseline policies based on traffic learned in the OT environment.
- Supports multiple ICS protocols to secure OT network communication.
- Shields vulnerable unpatched devices with signature-based virtual patching.

OT-native hardware designed to keep operation running

- Equipped with hardware bypass feature for high availability.
- Built with durable, industrial-grade components for harsh environments and temperatures.
- Redundant power design for OT environments.

Boost the visibility of your mission-critical assets

- Supports passive discovery methods and IT/OT traffic communication monitoring for asset visibility.
- Supports flexible search filters to quickly locate specific assets.
- Built-in log viewer for tracing daily events and monitoring traffic.

Key Features

- **Transparent Network Traffic Control**
EdgeIPS™ 102, specifically designed for levels 1-3, can be deployed in front of mission-critical assets or at the OT network edge. Its transparency and high performance allow for detection of network traffic and production assets without disrupting operations.
- **OT-Aware Operational Intelligence**
Our core technology for EdgeIPS™ 102, TXOne One-Pass DPI for Industry (TXODI™), allows you to create and edit trust lists, enabling interoperability between key assets and deep analysis of L2-L7 network traffic.
- **Flexible Operation Modes**
EdgeIPS™ 102 can flexibly switch between 'Monitor' and 'Prevention' modes. Keep in 'Monitor' mode until the detection results are verified by IT or OT team, then switch to 'Prevention' mode to block malicious traffic.
- **Shadow OT Visibility Enhancement**
EdgeIPS™ 102 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**
With the cutting-edge research of the Zero Day Initiative (ZDI) vulnerability reward program, EdgeIPS™ 102 offers your systems exclusive protection against known threats through virtual patching. You'll have superior control of the patching process for legacy systems.
- **Auto-Rule Learning Technology**
Equipped with Auto-Rule Learning technology to create baseline trust lists and simplify the administration process with OT-native machine learning customized to ICS network behavior.
- **Wide Range of Industrial Protocols**
EdgeIPS™ 102 supports a variety of OT protocols, including Modbus, SECS/GEMS, CIP, and more, to allow OT and IT security administrators to collaborate for seamless operation with existing network architecture.
- **Centralized Management**
Pattern updates and firmware management can both be centralized on a large scale. For facilities with massive EdgeIPS™ 102 nodes, EdgeOne™ can help administer and manage them to reduce costs and enhance performance.

EdgeIPS™ 102 Specifications

Feature	EdgeIPS 102-BP-TM-R
Threat Prevention Throughput *	200Mbps at least (IMIX) / 600Mbps (UDP 1518 bytes)
Latency*	<500 micro seconds
Concurrent Connection (TCP)	30,000
Supported ICS Protocol	Modbus / IEC 104 / CIP / S7Comm, with more being added regularly
Policy Enforcement	512 Rules
L2 Policy Enforcement	256 Rules
ICS Protocol Filter	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 75 °C (-40 to 167 °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 conditions and system configuration.

- Each EdgeIPS is entitled to 2 years hardware warranty. Upon renewal of the software license, the hardware warranty WILL NOT be extended for the same renewal period, subject to a maximum warranty period for the hardware of 5 years.

