



# EdgeLens® 1U TAPs & Inline Security Packet Broker

Bypass TAPs and Network Packet Broker for 40G/100G network speeds



IT teams deploy inline security appliances to inspect, filter, and protect network traffic at critical points throughout their infrastructure. However, these inline devices create potential single points of failure that can cause network outages during maintenance, updates, or equipment failures.

The EdgeLens® addresses this challenge by providing a hybrid bypass TAP and packet broker solution in a 1U rack form factor. The EdgeLens® connects between network segments and active inline security tools (routers, switches, firewalls) and inline security appliances such as firewalls, intrusion prevention systems (IPS), enabling continuous monitoring of tool health while maintaining network uptime through automatic failsafe bypass functionality.

The Bypass TAP has configurable heartbeat packets to check the health of the inline security tool. Additionally, EdgeLens® has twenty-four (24) 100G QSFP28 ports to broker copies of packets to out-of-band monitoring and security tools for added protection.

### PROTECT

- Leverage multiple cybersecurity tools – both inline and out-of-band
- Eliminate single points of failure
- Maintain network uptime

### ENHANCE

- Ensure High Availability support
- Conduct Historical Look Back forensics
- Conduct Before and After optimization

### SIMPLIFY

- 1U Rack
- Redundant power supplies
- User-friendly GUI management

### COUNTRY OF ORIGIN: USA

- TAA Compliant

## KEY FEATURES

- Aggregate network traffic to a single or multiple tools
- Session/flow aware load balancing
- Configurable hash-based load balancing
- Flow replication and port mirroring
- Rest API for integration
- Supports filtering, load balancing and regeneration
- User defined filters for Layer 2, 3, and 4

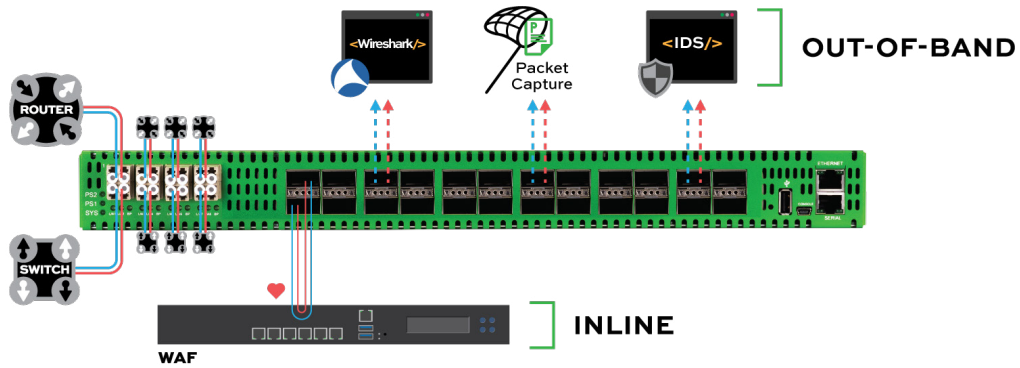


## Manage both inline and out-of-band security tools

**Problem:** It is no longer feasible to rely on a single firewall to protect the network. Those days are long gone. Multiple cybersecurity solutions are needed to protect and defend a network - both inline and out-of-band tools.

### The TAP to Tool™ Solution:

An EdgeLens ensures network uptime and 100% network visibility.

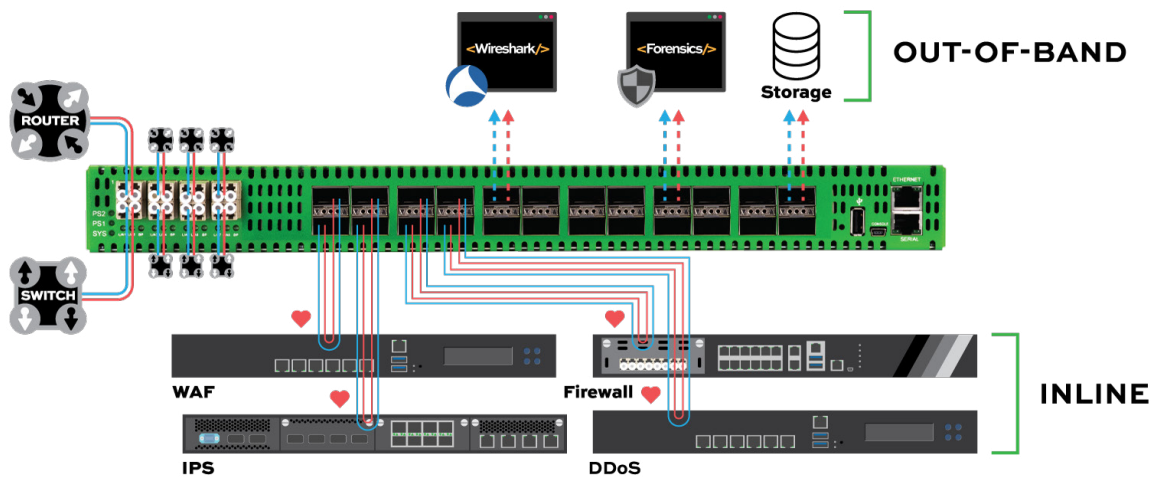


In this scenario, the EdgeLens can manage the availability of inline tools and provides network TAP packet visibility for out-of-band monitoring tools like threat detection, packet capture, and performance monitoring with its packet broker functionality.

## Tool chaining and identify which inline device is failing

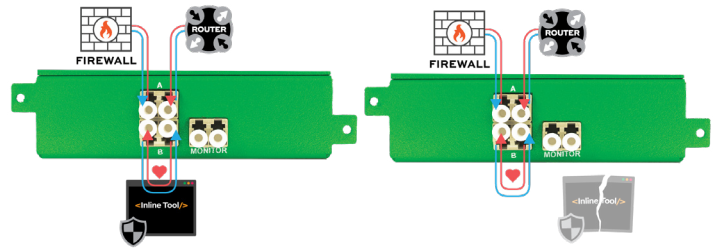
**Problem:** When managing multiple inline security devices in a tool chain, identifying which specific device is causing network issues becomes challenging.

**The TAP to Tool™ Solution:** The EdgeLens enables tool chaining by connecting multiple inline devices in sequence while providing individual monitoring of each device in the chain. If any device fails, automatic bypass maintains network connectivity while you identify and troubleshoot the specific problem device.



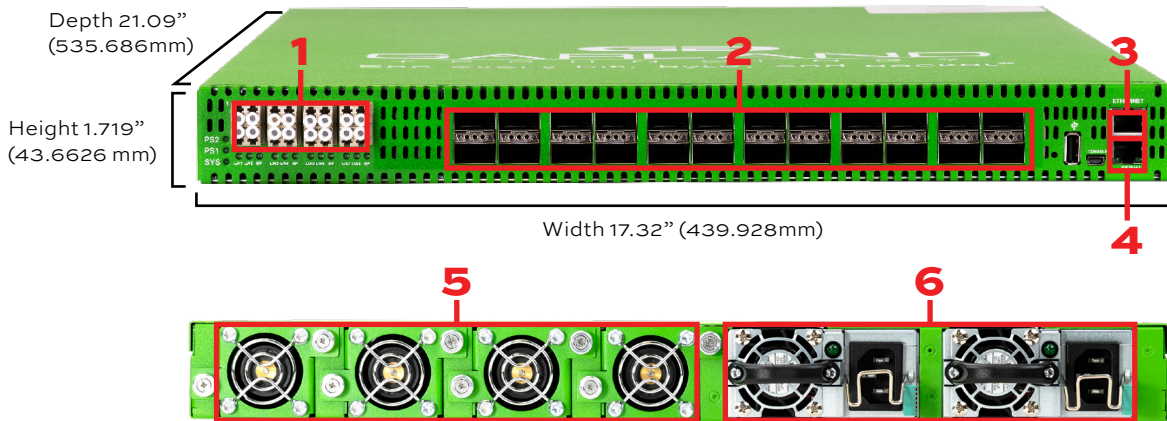
# Bypass TAPs

Bypass manages the availability of inline tools, preventing a single point of failure in the network by “bypassing” the device in the event it fails or needs to be updated. Reducing network downtime. Bypass is unique to the other TAP modes, because it is deployed with inline use cases.



## HARDWARE KEY

1.Four (4) Fiber TAPs 2.Twenty-Four (24) QSFP28 Ports 3.Ethernet Port 4.Serial Port 5.Fans 6.Dual Power Supplies



## SPECIFICATIONS

- Network speed: 40G / 100G
- Operating Temp: 0 to 40° C or 32 to 104° F
- Ambient Temperature: -40° C to +85° C  
-40° F to +185° F
- Operating Humidity: 5 to 95%

## PACKAGE CONTENTS

- One (1) INT100G8xR24
- Two (2) Power Cords
- One (1) Set of Mounting Ears
- One (1) Set of Screws for Mounting Ears
- One (1) Set of Rack Screws
- One (1) Serial Cable
- The Blade(s) ordered based on geography

## Available Part #s for EdgeLens Product Line

Part #	Network Speed	Bypass TAPs	Network Packet Broker	Power
<b>INT100G8LR24</b>	40G/100G	(4) SMF-100G-LR TAPs	(24) QSFP28 100G Ports	AC
<b>INT100G8SR24</b>	40G/100G	(4) MMF-100G-SR TAPs	(24) QSFP28 100G Ports	AC



Have Questions?

sales@garlandtechnology.com | +1 716.242.8500 | GarlandTechnology.com

