EdgeSafe™: 100G Bypass Modular Network TAP
100G | 1U Chassis | Failsafe | Inline Management, Protection, and Recovery

Network test access points (TAPs) are hardware tools that allow you to monitor and access your network. Garland’s Inline Edge Security Bypass TAPs (active TAPs), also referred to as a ‘bypass switch’, not only provide complete network visibility, by passing all live wire data to inline security tools, but also provide failsafe and heartbeat technology to monitor the tool’s health.

When architecting your inline security tools, such as firewalls and intrusion prevention systems (IPS), incorporating bypass technology is a fundamental best practice to avoid costly network downtime. A Bypass TAP provides the ability to manage your inline tool any time without having to take down the network or impact business availability for maintenance or upgrades.

Key Features

- TAP both 100G-SR4, and 100G-LR4 Links | Monitor ports 100G-SR4 or 100G-LR4
- Take your appliance offline without interrupting data traffic for sandboxing, updates, maintenance, and troubleshooting
- Guarantee 100% production network uptime with configurable appliance heartbeat and dual, field-replaceable power supplies
- Supports bypass, tap ‘breakout,’ aggregation and regeneration/SPAN modes
- Scalable modular design with media conversion
- Up to (2x) 100G TAPs in a 1U chassis
- Each TAP module is field replaceable
- Configurable heartbeat resolution
- Supports both local and remote management
- Support for packet injection, jumbo frames, and link failure propagation with TACACS, SNMP and Syslog

APPLICATIONS:

- Monitor 2 inline 100G appliances with failover protection.
- Provide inline lifecycle management for sandboxing, updates, maintenance, and troubleshooting.
- Media conversion for 100G

SOLUTIONS:

100G Bypass TAPs are ideal for:
- Firewalls
- Data Leakage Prevention
- Intrusion Prevention System
- Web Application Firewall
- Distributed Denial of Service Appliances
- Security Information and Event Management (SIEM)

Competitive Edge

- Guarantee network uptime for 2 inline appliances with fail over
- Convert 100G fiber media
- Configurable Heartbeat Resolution
- Bypass TAP Invented by Jerry Dillard, CTO and Co-Founder
- Tested and Certified

Have Questions?

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Additional Chassis Specifications

**Power Consumption:** 180w max
**Operating Temp:** 0C to 40C / +32F to +104F
**Operating Humidity:** 0%-90% non-condensing
**Chassis Dimensions:** 1.75"H x 17.25"W x 23"D (44.45 mm H x 439mm W x 586mm D)

**Network Flow**

EdgeSafe Bypass TAPs continuously checks the responsiveness of the inline tool by sending “heartbeat” packets between it and the tool. If the tool is not responding, the TAP will “bypass” the inline tool, allowing network traffic to flow without interruption.

EdgeSafe Bypass TAPs continue to send traffic and heartbeat packets out-of-band to the inline tool even after the tool stops responding. As soon as the tool becomes operational, replaced or re-optimized, the EdgeSafe will re-route traffic back through the tool to ensure it is continuing to protect the network.