GARLAND TECHNOLOGY
See every bit, byte, and packet®

1G 10G
DATA SHEET

EdgeSafe™: Bypass Network TAP

1G / 10G | Portable | Bypass | Failsafe | Remote management

IT teams deploy inline security tools to prevent, block, inspect and protect their network, whether at the edge or in a data center. Since these tools sit in the active network traffic, ensuring their performance and optimization is as critical as the tasks they perform. Active inline devices present a set of challenges, including becoming a single point of failure — leading to network downtime. Even deploying new inline tools and managing updates introduces risk.

Garland's EdgeSafe™ Bypass TAPs, are purpose-built to provide the ultimate failsafe device that eliminates single points of failure, reduces network downtime, cuts deployment time and saves money, without compromising the network.

External Bypass TAPs are connected between a network segment (router and switch or firewall) and an active inline tool, like a firewall or intrusion prevention systems (IPS). Allowing you to monitor the tool's health and effectively manage the device through deployment, updates or troubleshooting. If your tool goes offline for any reason the Bypass TAP functionality will automatically 'bypass' the tool, keeping your network up while you resolve the issue.

Key Features

- Network Failsafe — recognizes power outages and automatically closes relay circuitry in less than eight milliseconds, reconnecting the two network devices connected to ports A and B
- Configurable Heartbeat Packets — sent between the monitoring ports and inline device. If the heartbeat packets are not received from either direction, Bypass mode takes effect. Heartbeat packets are never sent out onto the live network
- 100% secure and invisible; no IP address, no Mac address; cannot be hacked
- Supports link failure propagation (LFP)
- Multi-function and fully configurable device for both inline and out-of-band use that supports bypass, filtering, breakout, aggregation, and regeneration
- Supports Jumbo frames
- Passes physical errors
- Easy remote access and management with GUI/CLI card
- Portable, Plug & Play
- Made, tested and certified in USA

APPLICATIONS

- Inline lifecycle management best practice: update, upgrade or troubleshoot at any time
- Reduce network downtime
- Eliminate single points of failure within your network
- For remote monitoring/access of inline appliances

SOLUTIONS

Bypass TAPs are ideal for:

- IPS — Intrusion Prevention System
- WAF — Web Application Firewall
- NGFW — Next-Generation Firewalls
- DLP — Data Leakage Prevention
- DDoS — Distributed Denial of Service Appliances
- SIEM — Security Information and Event Management (SIEM)

Competitive Edge

- Configurable Heartbeat packets for continuous health check
- Failsafe network protection
- Portable, Plug & Play design
- Supports bypass, filtering, breakout, aggregation and regeneration
- Bypass technology was invented by Jerry Dillard, CTO and Co-Founder
- Tested and Certified

TESTED CERTIFIED GUARANTEED

Have Questions?

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Design-IT Demo
garlandtechnology.com/design-it

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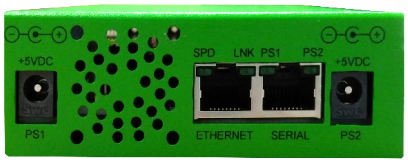
Model #	Network Speed	Media		Modes					Packet Injection Support**
		Network	Monitor	Bypass	Filtering	Aggregation	Regen/SPAN	Breakout / TAP	
RMS-1U-V2				1U Rack Mount Kit - Hold up to 4 Portable TAPs					
Remote Management									
P10GMSBPE	1G/10G	2 SR Multi-mode	2 SFP+	Yes	Yes	Yes	Yes	Yes	Yes
P10GSSBPE	1G/10G	2 LR Single-mode	2 SFP+	Yes	Yes	Yes	Yes	Yes	Yes

Two (2) power supplies are included.

Additional Specifications

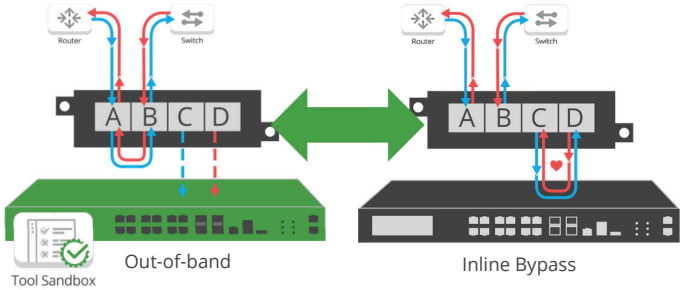
Voltage: 5V DC +/-5%
Current: < 6 Amps
Max. Consumption (Fiber SFP): < 15 Watts
Max. Consumption (Copper SFP): < 22 Watts
Ambient Temp.: 0C to +40C / +32F to +104F
Operating Re. Humidity: 90% non-condensing

Dimensions (HxWxD): 1.3" x 3.9" x 9.43"
(33.02mm x 99.06mm x 239.522mm)
Weight: 1.0 lbs (0.453592kg)



Back view of portable TAP
with serial and ethernet remote management.

Network Flow



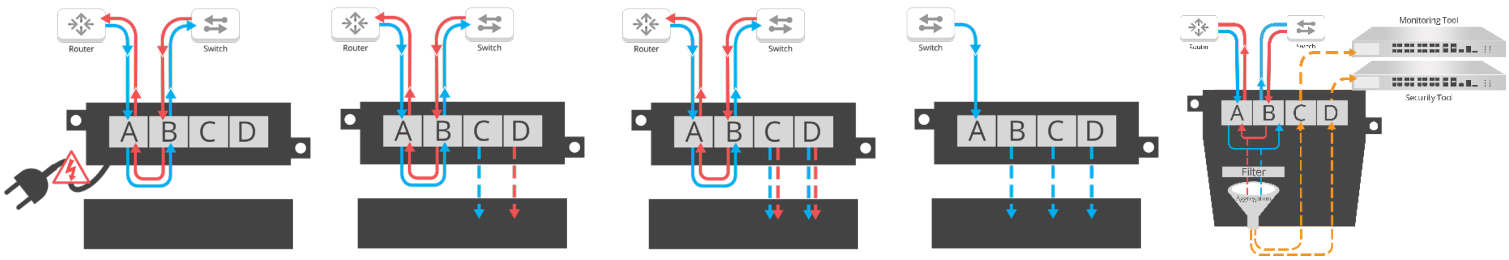
Inline Lifecycle Management

Manage Your Inline Tool Any Time Without Downtime

- Tool Sandbox - Pilot or deploy new tools
- Evaluate & Optimize the tool out-of-band
- Validation Push active inline
- Troubleshooting & Maintenance

Multi-function fully configurable Bypass TAP, also offers

Failsafe / Power loss | TAP "Breakout" Mode | Aggregation Mode | Regeneration/SPAN Mode | Filtering



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