GARLAND
TECHNOLOGY
See every bit, byte, and packet.®

EdgeSafe™: 10G Bypass Modular Network TAP
10G | 1U Chassis | Scalable design with media conversion

Network test access points (TAPs) are hardware tools that allow you to monitor and access your network. Garland's Inline Edge Security Bypass TAPs are typically used with inline security appliances such as next generation firewalls and intrusion prevention systems. All bypass TAPs are purpose-built hardware devices that let you see every bit, byte and packet.®

Bypass TAPs are used to connect a monitored network segment to an inline active appliance and monitor the appliance's health. If your appliance goes off line for any reason the Bypass TAP will automatically switch to 'bypass mode' keeping your network up while you to resolve the issue.

The EdgeSafe™: 10G Bypass Modular Network TAP supports bypass, breakout, aggregation and regeneration/SPAN modes.

Key Features

- Securely TAP a 10G circuit and convert to SR, LR and ER.
- Take your appliance off line without interrupting data traffic for: updates, maintenance and troubleshooting.
- Guarantee 100% production circuit uptime with appliance heartbeat and dual internal power supplies.

- House up to (4) TAPs in a 1U chassis.
- Configure and manage remotely or locally.
- Support for packet injection, jumbo frames, link failure propagation with TACACS, SNMP and Syslog.
- TAP modules are field upgradeable.
- 100% secure and invisible; no IP address; no Mac address; cannot be hacked.
- Made, tested and certified in USA.

Network Flow

Bypass Mode: Active Inline

Bypass Mode: Off-Line

Power loss
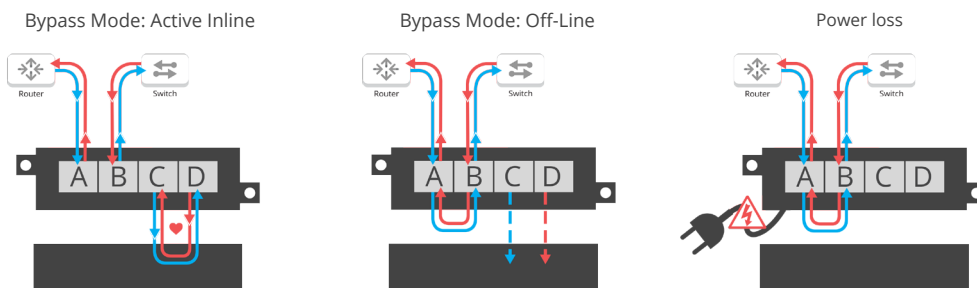
APPLICATIONS:
❯ Media conversion for fiber, SR, LR, and ER.
❯ Monitor 4 inline appliance with fail over assurance.
❯ Supports breakout, aggregation, regeneration, and bypass modes.

SOLUTIONS:
10G Bypass TAPs are ideal for:

 Next-Generation Firewalls
NGFW

 Data Leakage Prevention
DLP

 Intrusion Prevention System
IPS

 Web Application Firewall
WAF

 Distributed Denial of Service Appliances
DDoS

 Security Information and Event Management (SIEM)
SIEM

Competitive Edge
- Guarantee network uptime for 4 inline appliances with fail over and dual internal power supplies
- Convert 10G fiber media
- Bypass TAP Invented by Jerry Dillard, CTO and Co-Founder
- Tested and Certified

TESTED CERTIFIED GUARANTEED

Have Questions?
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EdgeSafe™: 10G Bypass Modular Network TAP

Chassis System						
Model #	**Description**					
M10G1ACv2	10G-1U Chassis System: Supports up to 4 modular Bypass TAPs. Dual internal AC power supplies. Voltage: 85 - 264 Volts, 100 Watt total power consumption with 4 TAPs					
M10G1DCv2	10G-1U Chassis System: Supports up to 4 modular Bypass TAPs. Dual internal DC power supplies. Voltage: 36 - 72 Volts; 100 Watt total power consumption with 4 TAPs					

Model #	Network Speed	Bypass TAP Module	Media		Modes			
			Network	**Monitor**	**Breakout**	**Aggregation**	**Regeneration/ SPAN**	**Bypass**
M10GMSBPv2	10G	SR Multi-mode Fiber	2 SR Multi-mode, LC-Fiber	2 SFP+ Cages	Yes	Yes	Yes	Yes
M10GSSBPv2	10G	LR Single mode Fiber	2 LR Single mode LC-Fiber	2 SFP+ Cages	Yes	Yes	Yes	Yes
M10GESBPv2	10G	ER Single mode Fiber	2 ER Single mode LC-Fiber	2 SFP+ Cages	Yes	Yes	Yes	Yes
Theortical distance - defined as half a distance as stated by the IEEE 802.3 standard.								

Available Pluggables & Cables:

Model #	Description
SFPTX	SFP 10/100/1000 Copper RJ-45 Connector
SFPSX	SFP 1000Base-SX Multi-Mode Fiber LC Connector
SFPLX	SFP 1000Base-LX Single Mode Fiber LC Connector
SFP+SR	SFP+ Dual Speed 1 Gigabit-SX / 10 Gigabit-SR Multi-Mode Fiber LC Connector
SFP+LR	SFP+ Dual Speed 1 Gigabit-LX / 10 Gigabit-LR Single Mode Fiber LC Connector
SFP+ER	SFP+ 10Gigabit-ER Single-Mode Fiber LC Connector
SFP+SR10	SFP+ 10Gigabit-SR Multi-Mode Fiber LC Connector - only supports 10G
SFP+LR10	SFP+ 10Gigabit-LR Multi-Mode Fiber LC Connector - only supports 10G
TWINAX1M*	Twinax Copper Direct Connect Cable SFP+ 10Gigabit 1 Meter

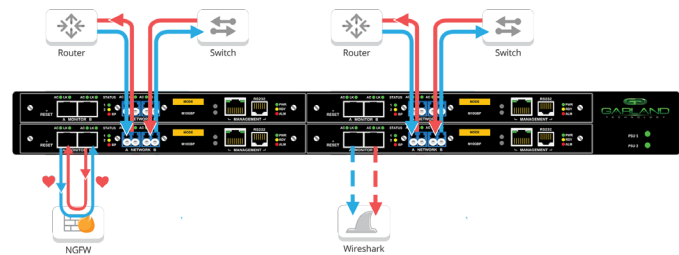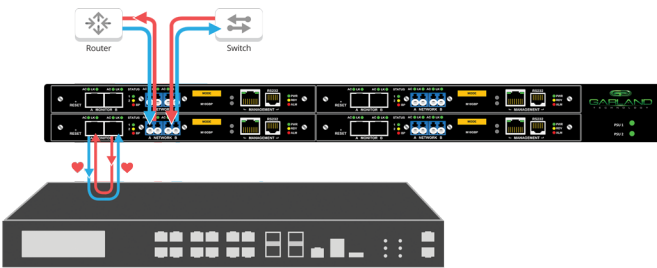*Also available in 5 and 10 meters.

Additional Chassis Specifications

Power Consumption: 100w (for 4 TAPs)
Operating Temp.: 0C to -50C / +32F to +122F

Operating Humidity: 90% non-condensing
Chassis Dimensions: 1.75"H x 17.50"W x 13.50"D
(44.45 mm H x 444.5mm W x 342.9mm D)

Use Case

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