GARLAND TECHNOLOGY
See every bit, byte, and packet®

DATA SHEET

Integrated Bypass Network TAP System

1G | 1U Chassis High Availability Solution

Network test access points (TAPs) are hardware tools that allow you to monitor and access your network. Bypass TAPs (active TAPs) are typically used with in-line 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.®

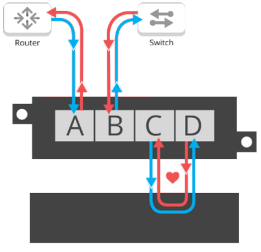
Bypass TAPs are used to connect a monitored network segment to an in-line active appliance and monitor the appliance's health. If your appliance goes off line for any reason the Bypass TAP will automatically switch to 'bypass mode' keeping your network up while you to resolve the issue.

Key Features

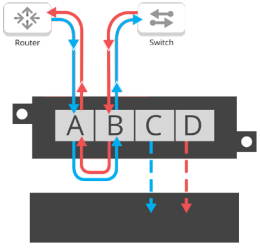
- 1U - 6 Port High Availability (HA) solution, TAP once and connect one primary and one secondary in-band appliance and up to two out-of-band monitoring appliances.
- Heartbeat Packets are sent out of each monitoring port. If the heartbeat packets are not received from either direction, then Bypass Mode takes effect. Heartbeat packets are never sent out onto the live network.
- Network Failsafe recognizes power outages and automatically closes the relay circuitry in less than eight milliseconds then reconnects the two network devices connected to ports A and B.
- Fiber to Copper media conversion.
- Supports Jumbo frames.
- Supports Link Failure Propagation (LFP) - In the event the primary network connection is lost, the failover mechanism forces the network to a backup/secondary network.
- Supports multiple modes: breakout, aggregation or bypass.
- Supports packet injection and packet slicing in aggregation mode
- Serial port management
- Passes physical errors.
- FPGA design
- 100% secure and invisible; no IP address, no Mac address; cannot be hacked.
- Made, tested and certified in USA.

Network Flow

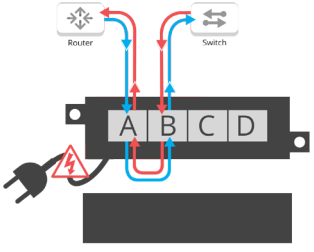
Bypass Mode: Active In-Line



Bypass Mode: Off-Line



Power loss



APPLICATIONS:

- TAP once and connect one primary and one back up in-band appliance and two out-of-band monitoring appliances.
- Take your in-band appliance off line without interrupting data traffic for: Updates, Maintenance, Troubleshooting.
- High availability when network downtime is not an option.

SOLUTIONS:

HA Bypass TAPs are ideal for:

In-Band

- NGFW — Next-Generation Firewalls
- DLP — Data Leakage Prevention
- IPS — Intrusion Prevention System
- WAF — Web Application Firewall
- DDoS — Distributed Denial of Service Appliances

Out-of-Band

- Network Analyzer — Anaylizer
- Forensics — Forensics
- IDS — Intrusion Detection System
- Wireshark — Wireshark

Competitive Edge

- High Availability solution in 1U design
- Media conversion: Fiber to Copper
- Bypass TAP Invented by Jerry Dillard, CTO and Co-Founder
- Tested and Certified

TESTED CERTIFIED GUARANTEED

Have Questions?

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Integrated Bypass Network TAP System

1G | 1U Chassis High Availability Solution

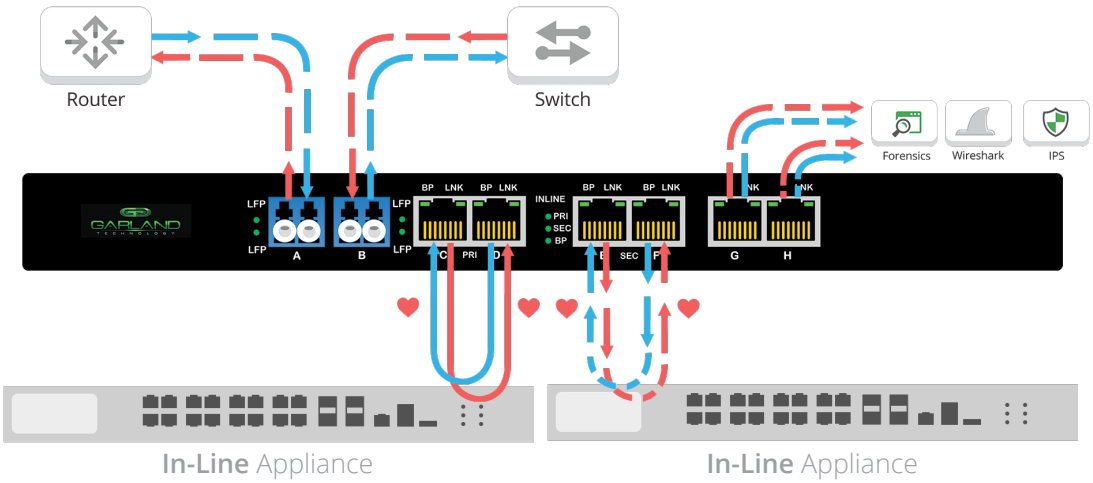
Model #	Network Speed	Media		Modes			
		Network	Monitor	Breakout	Aggregation	Regeneration	Bypass
INT1G8CCBP	1G	2 Copper-RJ45	6 Copper-RJ45	Ports CDEFGH	Ports GH	N/A	Ports CDEF
INT1G8SCBP	1G	2 LX Single-mode, LC-Fiber	6 Copper-RJ45	Ports CDEFGH	Ports GH	N/A	Ports CDEF
INT1G8MCBP	1G	2 SX Multi-mode, LC-Fiber	6 Copper-RJ45	Ports CDEFGH	Ports GH	N/A	Ports CDEF

Additional Specifications

Power: Dual Internal AC Supplies
Voltage: 85V - 264V AC
Current:
.44A @ 110V AC
.22A @ 230V AC
Max. Consumption: 50 Watts
Ambient Temp.: 0C to +40C / +32F to +104F
Storage Temp: -20C to +70C / -4F to +158F
Operating Re. Humidity: 90% non-condensing

Dimensions (HxWxD):
1.75" x 17.40" x 13.45"
(44.45mm x 441.96mm x 341.63mm)
Weight: 3.25 lbs (1.47 kg)

Use Case



Heartbeat Packets

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