GARLAND
TECHNOLOGY

See every bit, byte, and packet®

UniversalTAP™: Copper Aggregator

100M/1G | Portable | Aggregation, Breakout, Regen and Bypass

Network test access points (TAPs) are hardware tools that allow you to access and monitor your network. TAPs are purpose-built hardware devices that let you see every bit, byte and packet.®

Aggregator TAPs are used to capture 100% full duplex traffic that can then be sent to multiple monitoring appliances to analyze your network.

The Universal functionality on this TAP supports aggregation, regeneration/SPAN, tap 'breakout' and bypass modes, allowing you to fully deploy and manage your monitoring and security appliances and guarantee network uptime.

Key Features

- Aggregating UniversalTAPs are fully configurable and support multiple modes: breakout, aggregation, regeneration/SPAN and bypass.

- Portable, Plug & Play.

- 1U Rack Mount can hold up to four portable TAPs.

- 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.

- Supports link failure propagation (LFP).

- Power over Ethernet (PoE)

- Bypass Mode: 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.

- Easy configuration; switches on back.

- Supports Jumbo frames.

- Passes physical errors

- Supports packet injection in aggregation mode.

- 100% secure and invisible; no IP address, no Mac address; cannot be hacked.

- Made, tested and certified in USA.

APPLICATIONS:

❯ Breakout mode: Use for full utilization to capture 100% traffic.

❯ Aggregation mode: Capture 100% full duplex traffic to a single monitoring port.

❯ Regeneration/SPAN mode: Replicate network traffic to three ports.

❯ Bypass mode: Monitor the health of inline appliances - and - take inline appliances off-line for maintenance.

SOLUTIONS:

Active, Inline

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

Monitoring, Out-of-Band

Network Analyzer	IDS	Wireshark	Forensics

Competitive Edge

- Portable, Plug & Play design
- Supports breakout, aggregation, regeneration/SPAN and bypass modes.
- Tested and Certified
- Noiseless, no fans
- FPGA Design

TESTED
CERTIFIED
GUARANTEED

Have Questions?

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Model #	Network Speed	Media		Modes				Packet Injection Support*
		Network	Monitor	Breakout	Aggregation	Regeneration/SPAN	Bypass	
RMP-1U		1U Rack Mount Kit - Hold up to 4 Portable TAPs						
P1GCCBP	100/1000M	2 Copper-RJ45	2 Copper-RJ45	Yes	Yes	Yes	Yes	Yes
P1GCSBP	100/1000M	2 Copper-RJ45	2 SFP	Yes	Yes	Yes	Yes	Yes
P1GCCBPPOE+	100/1000M	2 Copper-RJ45	2 Copper-RJ45	Yes	Yes	Yes	Yes	Yes
P1GCSBPPOE+	100/1000M	2 Copper-RJ45	2 SFP	Yes	Yes	Yes	Yes	Yes

*Packet injection is only supported in Aggregation mode

Additional Specifications
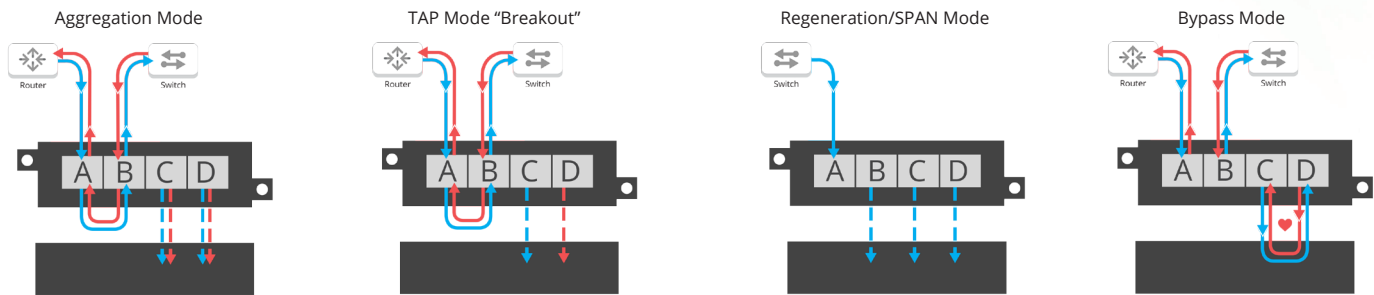
Voltage: 5 DC
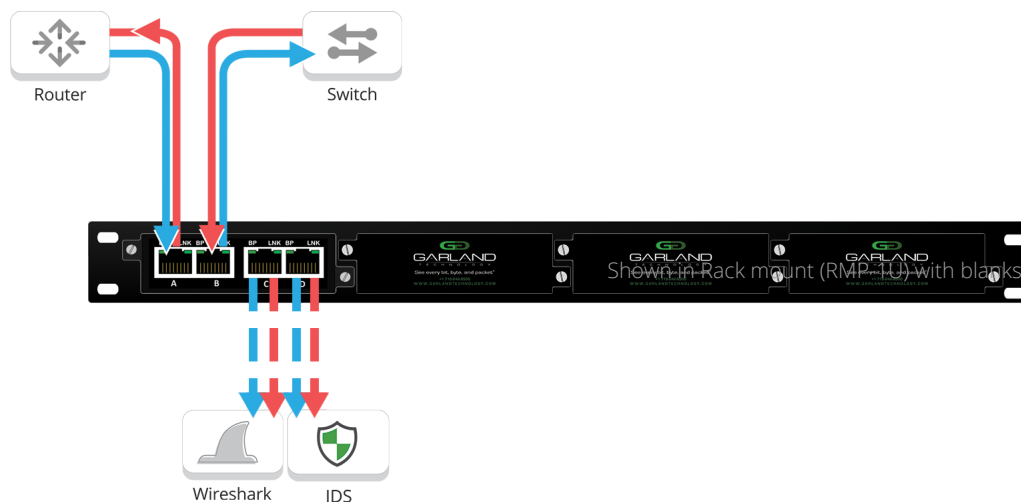**Current:** 1.74 Amps
Max. Consumption: 8.7 Watts
Ambient Temp.: 0C to +40C / +32F to +104F
Operating Re. Humidity: 90% non-condensing

Network Flow

Aggregation Mode

TAP Mode "Breakout"

Regeneration/SPAN Mode

Bypass Mode

Use Case

Router

Switch

Shown in Rack mount (RMP-1U) with blanks

Wireshark

IDS

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