GARLAND
TECHNOLOGY
See every bit, byte, and packet®

Single-mode Passive Fiber Network TAP
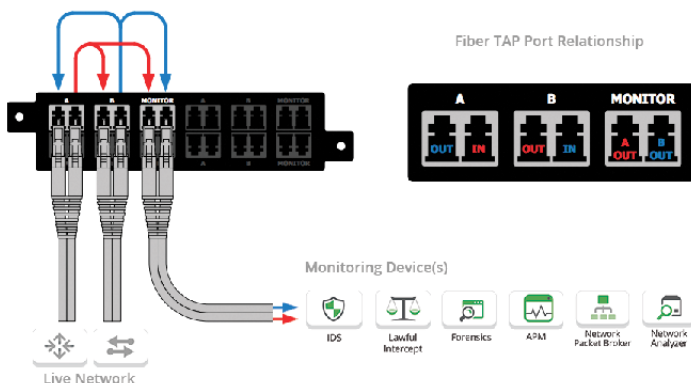## 1G/10G/25G/40G/100G | Portable

Network test access points (TAPs) are hardware tools that allow you to monitor your network. All fiber breakout TAPs are passive, purpose-built hardware devices that make a 100% copy of your network's data allowing your monitoring tools to see every bit, byte and packet.®

Passive TAPs are non-powered devices that will not cause the live network devices to lose link between one another if power is lost.

Key Features

- 100% network visibility
- 100% secure and invisible; no IP address; no Mac address; cannot be hacked
- Passes physical layer errors
- Supports Breakout Mode
- Supports Jumbo frames
- TAPs constructed with durable, crush-resistant materials (metal)
- 1U rack mount kit holds up to 4 modules, each module can have 1, 2, 3 or 4 TAPs
- Plug & Play easy installation, no configuration; no power source required
- Made, tested and certified in the USA

Network Flow

Fiber TAP Port Relationship

| A | B | MONITOR |
| OUT IN | OUT IN | A OUT B OUT |

Monitoring Device(s)

IDS | Lawful Intercept | Forensics | APM | Network Packet Broker | Network Analyzer

Live Network

APPLICATIONS:

- Network & Application Monitoring
- Network & Application Analysis
- Network & Application Performance
- Data Center-Longhaul fiber environment

+ Breakout Mode is ideal when utilization is very high and packet loss is not an option.

SOLUTIONS:

Passive optical TAPs are ideal for:

- **IDS** — Intrusion Detection Systems
- **APM** — Application Performance Monitoring
- **Lawful Intercept** — Lawful Interception
- **Packet Capture** — Packet Capture
- **DPI** — Deep Packet Inspection
- **Network Analyzer** — Network Analyzer
- **Forensics** — Forensics

Competitive Edge

- No upgrade needed. Unlike the competition, this handles your network today and tomorrow, and will work in all of your applications.
- Supports long range and extended range single-mode environments.
- Tested and Certified

TESTED CERTIFIED GUARANTEED
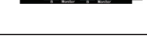
Have Questions?

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Single-mode Passive Fiber Network TAP
1G/10G/25G/40G/100G | Portable

Model #	Network Speed	Ports	# of TAPs	Split Ratio*	Wavelengths	Media	Connnector/Mode
RMP-1U			1U Rack Mount Kit - Hold up to 4 Modules, each Module can have 1, 2, 3 or 4 TAPs				
OS1501	Up to 100G		1	50/50	1310/1550nm	Fiber-OS1	Fiber-LC Single-Mode Fiber
OS1701	Up to 100G		1	70/30	1310/1550nm	Fiber-OS1	Fiber-LC Single-Mode Fiber
OS2501**	Up to 100G		1	50/50	1310/1550nm	Fiber-OS2	Fiber-LC Single-Mode Fiber
OS2701**	Up to 100G		1	70/30	1310/1550nm	Fiber-OS2	Fiber-LC Single-Mode Fiber
OS1502	Up to 100G		2	50/50	1310/1550nm	Fiber-OS1	Fiber-LC Single-Mode Fiber
OS1702	Up to 100G		2	70/30	1310/1550nm	Fiber-OS1	Fiber-LC Single-Mode Fiber
OS2502**	Up to 100G		2	50/50	1310/1550nm	Fiber-OS2	Fiber-LC Single-Mode Fiber
OS2702**	Up to 100G		2	70/30	1310/1550nm	Fiber-OS2	Fiber-LC Single-Mode Fiber
OS2702-BiDi**	1/10		2	70/30	1270-1350nm/ 1450-1530nm/ 1510-1590nm	Fiber-OS2	Fiber-LC Single-mode Fiber
OS1503	Up to 100G		3	50/50	1310/1550nm	Fiber-OS1	Fiber-LC Single-Mode Fiber
OS1703	Up to 100G		3	70/30	1310/1550nm	Fiber-OS1	Fiber-LC Single-Mode Fiber
OS2503**	Up to 100G		3	50/50	1310/1550nm	Fiber-OS2	Fiber-LC Single-Mode Fiber
OS2703**	Up to 100G		3	70/30	1310/1550nm	Fiber-OS2	Fiber-LC Single-Mode Fiber
OS1504	Up to 100G		4	50/50	1310/1550nm	Fiber-OS1	Fiber-LC Single-Mode Fiber
OS1704	Up to 100G		4	70/30	1310/1550nm	Fiber-OS1	Fiber-LC Single-Mode Fiber
OS2504**	Up to 100G		4	50/50	1310/1550nm	Fiber-OS2	Fiber-LC Single-Mode Fiber
OS2704**	Up to 100G		4	70/30	1310/1550nm	Fiber-OS2	Fiber-LC Single-Mode Fiber

*Custom split ratios are available in **60/40, 80/20 or 90/10**, please inquire. ** Wideband version is available (i.e., O52501W, O52701W, etc.)

Additional Specifications

Optical Fiber Insertion Loss for OS1, OS2 with 1310/1550nm

Splitter: Single-Mode (OS1, OS2) with LC Connector*		
Split Ratio	Network Port	Monitor Port
50/50	3.6 dB	3.6 dB
70/30	1.9 dB	5.8 dB

Splitter plus loss with one mated pair**		
Split Ratio	Network Port	Monitor Port
50/50	3.9 dB	3.9 dB
70/30	2.2 dB	6.1 dB

Single mode
Fiber Type: Corning 9/125 micron
Directivity: ≥50dB
Temperature: -40 to +85C
Packaging: Stainless steel tube, 3.05mm (dia) x 55mm (len)

Additional
Dimensions: (HxWxD): 1.72" x 3.9" x 6.8" (43.69mm x 99.06mm x 172.72mm)
Weight: 1.45 lbs (0.66 kg)
Ambient Temperature: 0C to +40C / +32F to +104F
Storage Temperature: -20C to +70C / -4F to +158F
Humidity: 90% non-condensing
*There is no power needed for these TAPs

* Measured loss through splitter only ** Measured loss through splitter; plus one mated pair (two fibers terminated and connected together with a fiber optic coupler).
For methodology read: Tech Notes on Measuring Budget Light Loss.