GARLAND TECHNOLOGY
See every bit, byte, and packet®

DATASHEET

1G/10G Passive Fiber TAPs

Multi-mode | Breakout Network TAPs

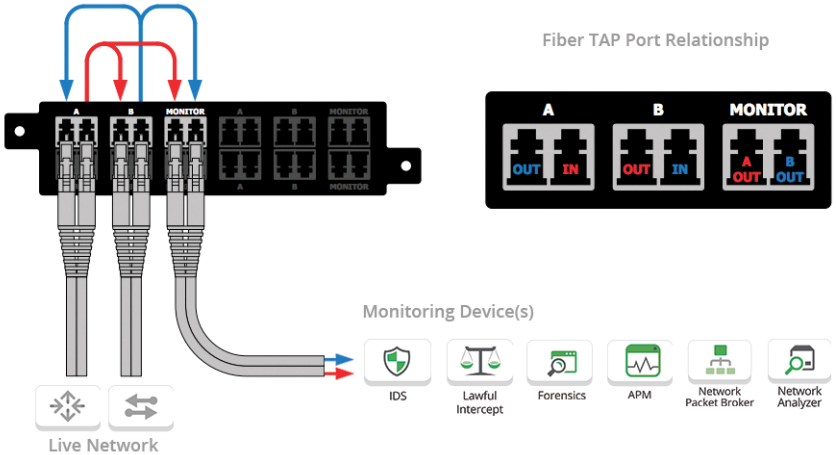
Network test access points (TAPs) are hardware tools that allow you to monitor your network. All fiber breakout TAPs are passive, purpose-built hardware devices that make a 100% copy of your network's data allowing your monitoring tools to see every bit, byte and packet.®

Passive TAPs are non-powered devices that will not cause the live network devices to loose 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
- 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



APPLICATIONS:

- Network & Application Monitoring
- Network & Application Analysis
- Network & Application Performance

+ 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
- Network Packet Broker — Packet Capture
- DPI — Deep Packet Inspection
- Network Analyzer — Network Analyzer
- Forensics — Forensics

TECHNOLOGY PARTNERS:

Garland Technology's Breakout TAPs have been approved for use by:

riverbed Think fast. · savvius · FLUKE networks · NETSCOUT · da+a+ap · endace · Gearbit · NETFORT know your network · inveatech · big switch networks

Competitive Edge

- New Prism based technology that reduces bit errors on OM3 + OM4 applications, providing 100% utilization.
- Tested and Certified

TESTED CERTIFIED GUARANTEED

Have Questions?

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1G/10G Passive Fiber TAPs

Modular | Multi-mode | Breakout Network TAPs

Model #	Network Speed	Ports	# of TAPs	Split Ratio*	Wavelengths	Media	Connnector/Mode
OM1501	Up to 10G		1	50/50	850/1300nm	Fiber-OM1	Fiber-LC Multi-Mode Fiber
OM1701	Up to 10G		1	70/30	850/1300nm	Fiber-OM1	Fiber-LC Multi-Mode Fiber
OM3501	Up to 10G		1	50/50	850/1300nm	Fiber-OM3	Fiber-LC Multi-Mode Fiber
OM4501	Up to 10G		1	50/50	850nm	Fiber-OM3/OM4	Fiber-LC Multi-Mode Fiber
OM4701	Up to 10G		1	70/30	850nm	Fiber-OM3/OM4	Fiber-LC Multi-Mode Fiber
OM1502	Up to 10G		2	50/50	850/1300nm	Fiber-OM1	Fiber-LC Multi-Mode Fiber
OM1702	Up to 10G		2	70/30	850/1300nm	Fiber-OM1	Fiber-LC Multi-Mode Fiber
OM3502	Up to 10G		2	50/50	850/1300nm	Fiber-OM3	Fiber-LC Multi-Mode Fiber
OM4502	Up to 10G		2	50/50	850nm	Fiber-OM3/OM4	Fiber-LC Multi-Mode Fiber
OM4702	Up to 10G		2	70/30	850nm	Fiber-OM3/OM4	Fiber-LC Multi-Mode Fiber
OM1503	Up to 10G		3	50/50	850/1300nm	Fiber-OM1	Fiber-LC Multi-Mode Fiber
OM1703	Up to 10G		3	70/30	850/1300nm	Fiber-OM1	Fiber-LC Multi-Mode Fiber
OM3503	Up to 10G		3	50/50	850/1300nm	Fiber-OM3	Fiber-LC Multi-Mode Fiber
OM4503	Up to 10G		3	50/50	850nm	Fiber-OM3/OM4	Fiber-LC Multi-Mode Fiber
OM4703	Up to 10G		3	70/30	850nm	Fiber-OM3/OM4	Fiber-LC Multi-Mode Fiber
OM1504	Up to 10G		4	50/50	850/1300nm	Fiber-OM1	Fiber-LC Multi-Mode Fiber
OM1704	Up to 10G		4	70/30	850/1300nm	Fiber-OM1	Fiber-LC Multi-Mode Fiber
OM3504	Up to 10G		4	50/50	850/1300nm	Fiber-OM3	Fiber-LC Multi-Mode Fiber
OM4504	Up to 10G		4	50/50	850nm	Fiber-OM3/OM4	Fiber-LC Multi-Mode Fiber
OM4704	Up to 10G		4	70/30	850nm	Fiber-OM3/OM4	Fiber-LC Multi-Mode Fiber
RMP-1U	1U Rack Mount Kit - Hold up to 4 Modules, each Module can have 1, 2, 3 or 4 TAPs						

* Custom split ratios are available in 60/40, 80/20 or 90/10, please inquire.

Additional Specifications

Multimode Fiber Type: Corning 62.5/125 or 50/125 micron
Directivity: ≥40dB
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**

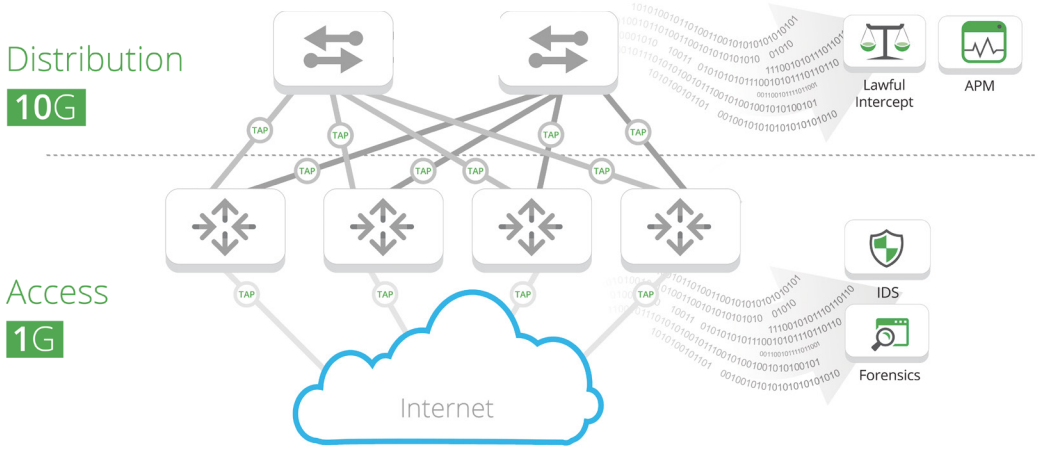
Optical Fiber Insertion Loss for OM1, OM2, OM3 with 850/1300nm

Splitter: Multi-Mode with LC Connector*		
Split Ratio	**Network Port**	**Monitor Port**
50/50	3.7 dB	3.7 dB
70/30	2.1 dB	6.1 dB
Splitter plus loss with one mated pair**		
Split Ratio	**Network Port**	**Monitor Port**
50/50	4 dB	4 dB
70/30	2.4 dB	6.4 dB

Optical Fiber Insertion Loss for OM4 with 850nm

Splitter: Multi-Mode with LC Connector*		
Split Ratio	**Network Port**	**Monitor Port**
50/50	3.8 dB	3.8 dB
70/30	1.8 dB	6.6 dB
Splitter plus loss with one mated pair**		
Split Ratio	**Network Port**	**Monitor Port**
50/50	4.1 dB	4.1 dB
70/30	2.1 dB	6.9 dB

Use Case



* 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.

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