

# Multi-mode Passive Fiber Network TAPs

## 1G/10G High Density | 1U Chassis



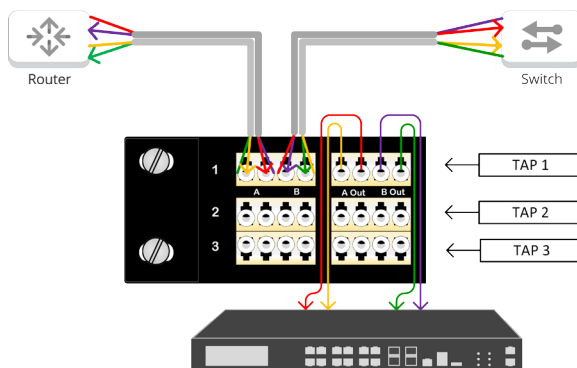
Garland Technology's high density Fiber network TAPs feature an unique and cost-saving solution offering more functionality with less rack space.

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

### Key Features

- 100% network visibility
- 100% secure and invisible; no IP address; no Mac address; cannot be hacked
- Multi-mode passive optical 1Gbps and 10Gbps Ethernet
- Passes physical layer errors
- Supports Breakout Mode
- Supports Jumbo frames
- 1U chassis holds 28 or 56 TAPs - 56 TAP units are populated front and back
- Plug & Play easy installation, no configuration; no additional 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 Intercept
- Network Packet Broker Packet Capture
- DPI Deep Packet Inspection
- Network Analyzer Network Analyzer
- Forensics Forensics

### Competitive Edge

- New Prism based technology that reduces bit errors on OM3 + OM4 applications, providing 100% utilization.
- Highest density in industry with 28 or 56 TAPs
- Tested and Certified



### Have Questions?

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Model #	Network Speed	Chassis Size	# of TAPs	Split Ratio*	Wavelengths	Media	Connector/Mode
OM15028	10Gbps	Chassis 1U	28	50/50	850/1300nm	Fiber-OM1	Fiber-LC Multi-mode Fiber
OM17028	10Gbps	Chassis 1U	28	70/30	850/1300nm	Fiber-OM1	Fiber-LC Multi-mode Fiber
OM35028	10Gbps	Chassis 1U	28	50/50	850/1300nm	Fiber-OM3	Fiber-LC Multi-mode Fiber
OM45028	10Gbps	Chassis 1U	28	50/50	850nm	Fiber-OM3/OM4/OM5	Fiber-LC Multi-mode Fiber
OM47028	10Gbps	Chassis 1U	28	70/30	850nm	Fiber-OM3/OM4/OM5	Fiber-LC Multi-mode Fiber
OM15056	10Gbps	Chassis 1U	56	50/50	850/1300nm	Fiber-OM1	Fiber-LC Multi-mode Fiber
OM17056	10Gbps	Chassis 1U	56	70/30	850/1300nm	Fiber-OM1	Fiber-LC Multi-mode Fiber
OM35056	10Gbps	Chassis 1U	56	50/50	850/1300nm	Fiber-OM3	Fiber-LC Multi-mode Fiber
OM45056	10Gbps	Chassis 1U	56	50/50	850nm	Fiber-OM3/OM4/OM5	Fiber-LC Multi-mode Fiber
OM47056	10Gbps	Chassis 1U	56	70/30	850nm	Fiber-OM3/OM4/OM5	Fiber-LC Multi-mode Fiber

\*Custom split ratios are available in 60/40, 80/20, 90/10, please inquire. \*56 1U Fiber TAPs are populated front and back.

## Additional Specifications

### Multi-mode

#### Fiber Type:

OM1 Models: Multi-Mode 62.5 micron OM1

OM3 Models: Multi-Mode 50 micron OM3

OM4 Clearcurve BIF 900um buffer

**Directivity:** ≥40dB

**Temperature:** -40 to +85C

**Packaging:** Stainless steel tube, 3.05mm (dia) x 55mm (len)

### Additional

**Dimensions** (HxWxD): 1.72" x 17.32" x 13.42"  
(43.69mm x 439.93mm x 340.87mm)

**Weight:** x28 - 4.5 lbs (2.04 kg); x56 - 6.5 lbs (2.95 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

### Optical Fiber Insertion Loss for OM4 with 850nm

Splitter: Multi-Mode with LC Connector*			Splitter: Multi-Mode with LC Connector*		
Split Ratio	Network Port	Monitor Port	Split Ratio	Network Port	Monitor Port
50/50	3.7 dB	3.7 dB	50/50	3.8 dB	3.8 dB
70/30	2.1 dB	6.1 dB	70/30	1.8 dB	6.6 dB
Splitter plus loss with one mated pair**			Splitter plus loss with one mated pair**		
Split Ratio	Network Port	Monitor Port	Split Ratio	Network Port	Monitor Port
50/50	4 dB	4 dB	50/50	4.1 dB	4.1 dB
70/30	2.4 dB	6.4 dB	70/30	2.1 dB	6.9 dB

\* 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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