

# Single-mode Passive Fiber HD Network TAP

1G/10G/25G/40G/100G | High Density | 1U Chassis



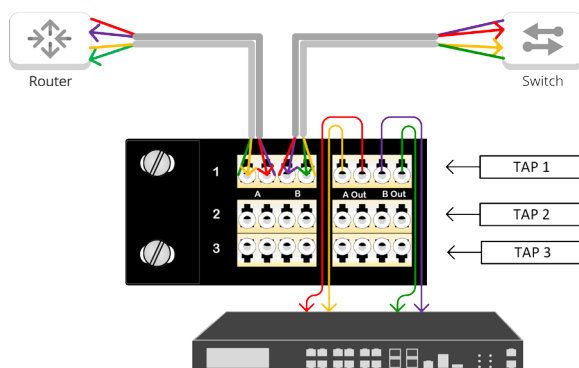
Garland Technology's high density fiber network TAPs feature an unique and cost-saving solution offering more functionality with less rack space.

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
- Single mode passive optical for up to 100Gb Ethernet
- Passes physical layer errors
- Supports Breakout Mode
- 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:

-  Intrusion Detection Systems
-  Application Performance Monitoring
-  Lawful Intercept
-  Packet Capture
-  Deep Packet Inspection
-  Network Analyzer
-  Forensics

### Competitive Edge

- 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
OS15028	1/10/25/40/100G	Chassis 1U	28	50/50	1310/1550nm	Fiber-OS1	Fiber-LC Single-mode Fiber
OS17028	1/10/25/40/100G	Chassis 1U	28	70/30	1310/1550nm	Fiber-OS1	Fiber-LC Single-mode Fiber
OS25028	1/10/25/40/100G	Chassis 1U	28	50/50	1310/1550nm	Fiber-OS2	Fiber-LC Single-mode Fiber
OS27028	1/10/25/40/100G	Chassis 1U	28	70/30	1310/1550nm	Fiber-OS2	Fiber-LC Single-mode Fiber
OS15056	1/10/25/40/100G	Chassis 1U	56	50/50	1310/1550nm	Fiber-OS1	Fiber-LC Single-mode Fiber
OS17056	1/10/25/40/100G	Chassis 1U	56	70/30	1310/1550nm	Fiber-OS1	Fiber-LC Single-mode Fiber
OS25056	1/10/25/40/100G	Chassis 1U	56	50/50	1310/1550nm	Fiber-OS2	Fiber-LC Single-mode Fiber
OS27056	1/10/25/40/100G	Chassis 1U	56	70/30	1310/1550nm	Fiber-OS2	Fiber-LC Single-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

**Fiber Type:** OS1 Models: Single-Mode 9/125 micron  
 Single-Mode OS2:  
**Directivity:** ≥50dB  
**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 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

\* 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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