

# High Density 1G/10G/40G/100G Passive Fiber TAPs

## Single-mode | Breakout Network TAPs



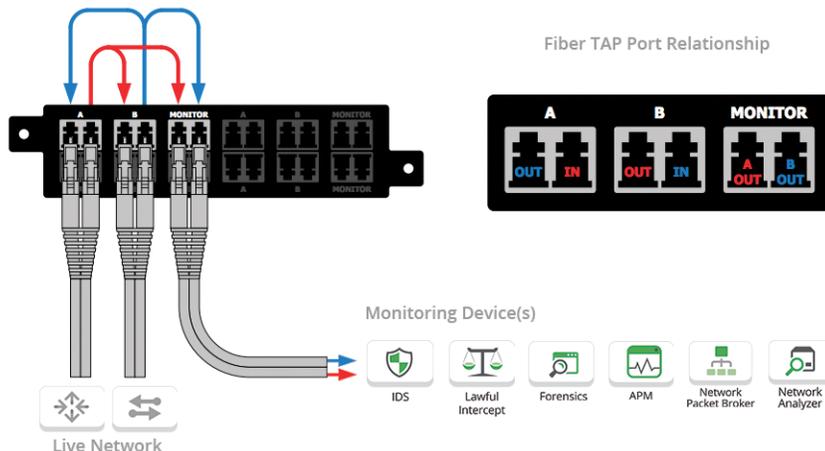
Garland Technology's high density fiber network TAPs feature an unique and cost-saving solution offering more functionality with less rack space.

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

- Tested and certified by Big Switch Networks
- Exclusive Network TAP vendor of Big Switch Networks
- 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

### 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

- Highest density in industry with 28 or 56 TAPs
- Made, tested and certified in the USA



### Have Questions?

sales@garlandtechnology.com  
+716.242.8500  
garlandtechnology.com

# High Density 1G/10G/40G/100G Passive Fiber TAPs

Single-mode | Breakout Network TAPs

Model #	Network Speed	Chassis Size	# of TAPs	Split Ratio*	Wavelengths	Media	Connector/Mode
OS15028	Up to 100G	Chassis 1U	28	50/50	1310/1550nm	Fiber-OS1	Fiber-LC Single-mode Fiber
OS17028	Up to 100G	Chassis 1U	28	70/30	1310/1550nm	Fiber-OS1	Fiber-LC Single-mode Fiber
OS25028	Up to 100G	Chassis 1U	28	50/50	1310/1550nm	Fiber-OS2	Fiber-LC Single-mode Fiber
OS27028	Up to 100G	Chassis 1U	28	70/30	1310/1550nm	Fiber-OS2	Fiber-LC Single-mode Fiber
OS15056	Up to 100G	Chassis 1U	56	50/50	1310/1550nm	Fiber-OS1	Fiber-LC Single-mode Fiber
OS17056	Up to 100G	Chassis 1U	56	70/30	1310/1550nm	Fiber-OS1	Fiber-LC Single-mode Fiber
OS25056	Up to 100G	Chassis 1U	56	50/50	1310/1550nm	Fiber-OS2	Fiber-LC Single-mode Fiber
OS27056	Up to 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

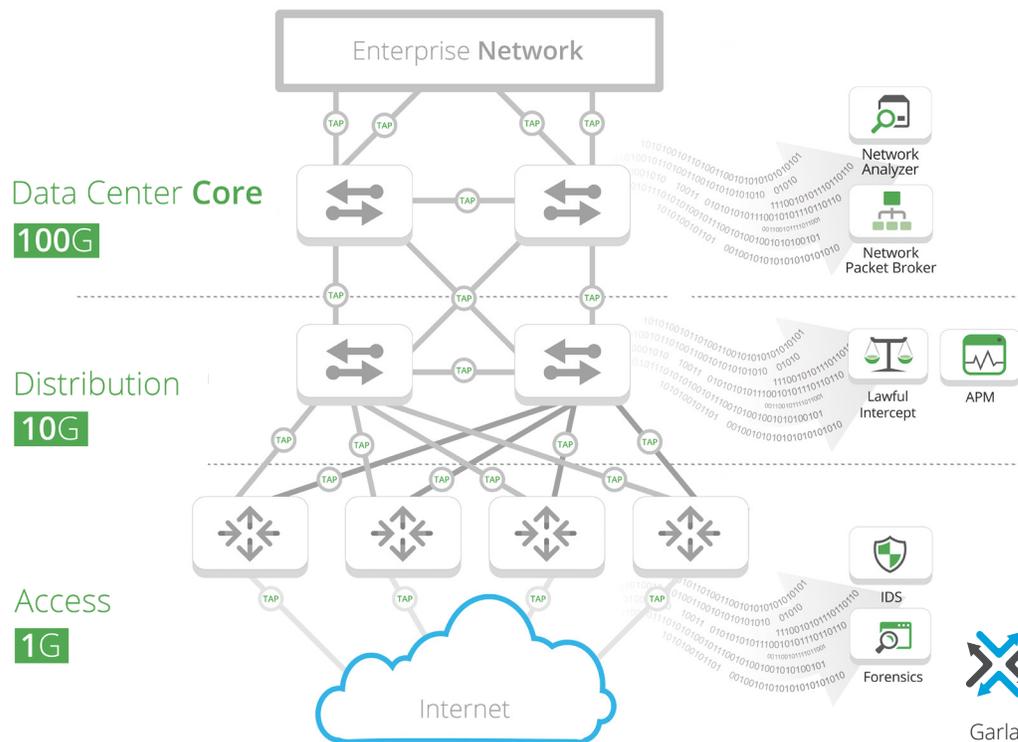
**Fiber Type:** OS1 Models: Single-Mode 9/125 micron  
 Single-Mode OS2:  
**Directivity:** ≥50dB  
**Temperature:** -40 to +85C  
**Packaging:** Stainless steel tube, 3.05mm (dia) x 55mm (len)

**Additional Dimensions:** 17.32" x 1.72" x 13.42" (439.93mm x 43.69mm 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

## Insertion Loss

Split Ratio*	Network Port	Monitor Port
50/50	3.7dB	3.7dB
60/40	2.8dB	4.8dB
70/30	2.0dB	6.1dB
80/20	1.3dB	8.0dB
90/10	0.8dB	12.0dB

## Use Case



Garland Technology Network TAPs  
 A Certified Big Switch Networks Solution



This document is for informational purposes only. The information in this document, believed by Garland Technology to be accurate as of the date of publication, is subject to change without notice. Garland Technology assumes no responsibility for any errors or omissions in this document and shall have no obligation to you as a result of having made this document available to you or based upon the information it contains. ©2015 Garland Technology LLC. All Rights Reserved