GARLAND TECHNOLOGY

See every bit, byte, and packet®

1G 10G 40G 100G

DATASHEET

Single-mode Passive Fiber Network TAPs

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

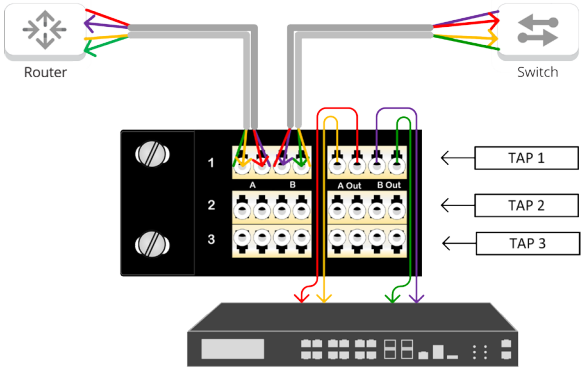
Garland Technology's high density fiber network TAPs feature an unique and cost-saving solution offering more functionality with less rack space.

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:

- 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

Competitive Edge

- Highest density in industry with 28 or 56 TAPs
- Tested and Certified

TESTED CERTIFIED GUARANTEED

Have Questions?

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Single-mode Passive Fiber Network TAPs

High Density

Model #	Network Speed	Chassis Size	# of TAPs	Split Ratio*	Wavelengths	Media	Connnector/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

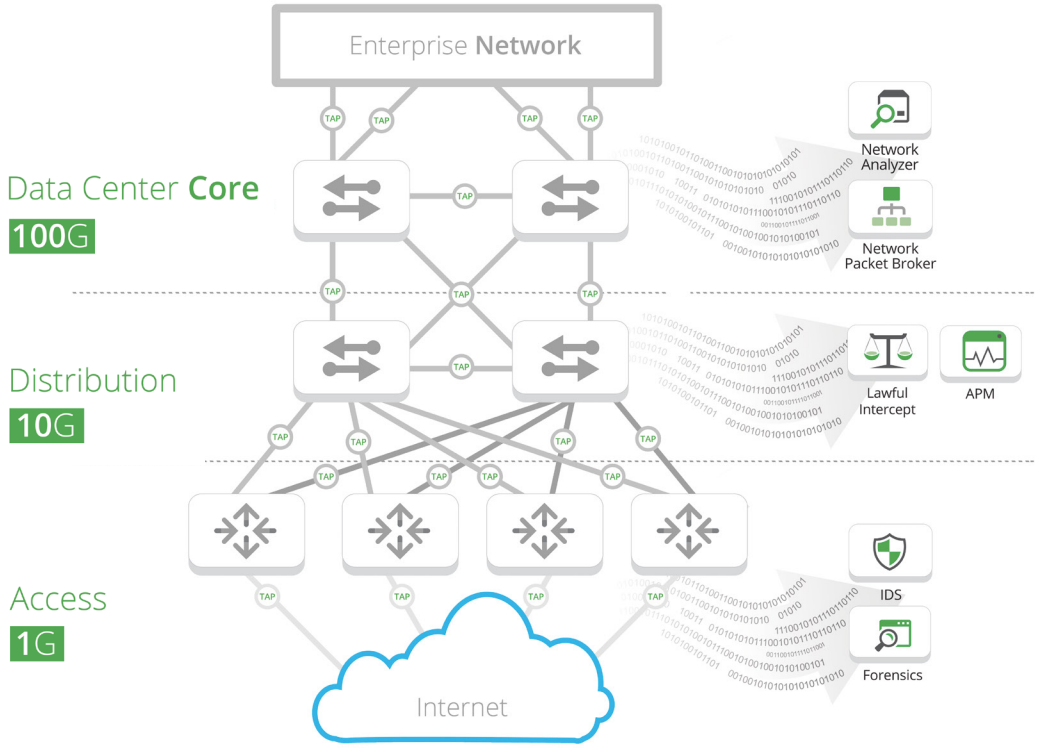
*Custom split ratios are available in 60/40, 80/20, 90/10, please inquire. *56 1U Fiber TAPs are populated front and back.

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 (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

Use Case



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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