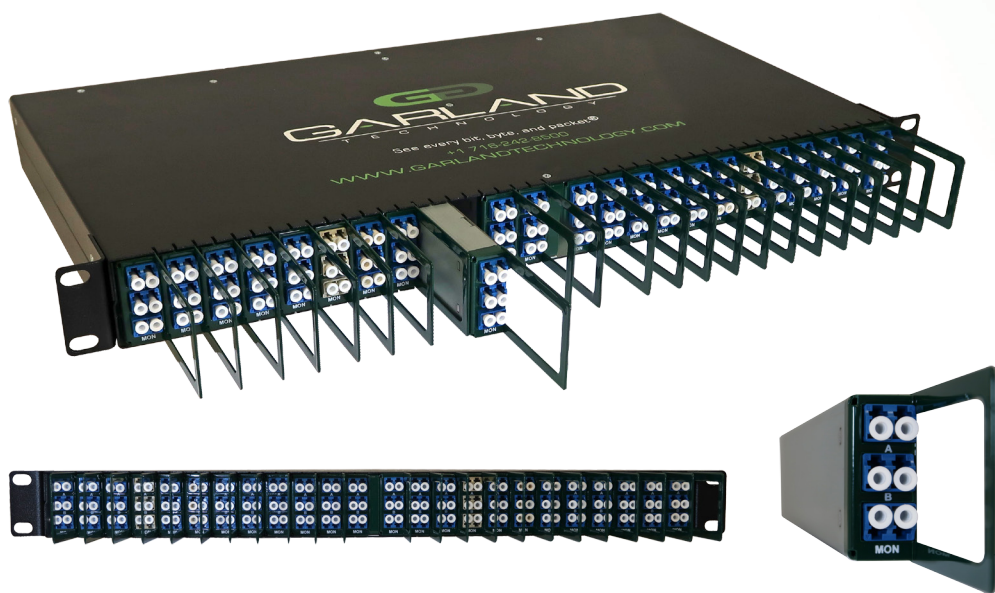


# Modular Chassis Passive Fiber Network TAPs

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



Network test access points (TAPs) are hardware tools that allow you to access and monitor your network. The passive fiber modular chassis system supports 1Gbps, 10Gbps, 40Gbps and 100Gbps network speeds.

This high density and high performance monitoring solution accommodates growing data center and enterprise needs for 100G Ethernet networks. The passive fiber modular chassis system features a scalable design allowing you to meet the demands of the network today and tomorrow, while supporting the investment in existing monitoring tools.

## Key Features •

**Chassis supports: 1Gbps, 10Gbps, 40Gbps, 100Gbps network speeds**

**Accommodates 16 to 24 network TAP modules, based on configuration**

(24 LC TAP Modules, 16 MPO/MTP® TAP Modules, 16 BiDi LC TAP Modules)

- Durable, all steel construction for chassis and TAP network modules
- No power, no heat, no IP address, no MAC address - 100% passive
- Customize network TAPs to your networks needs
- Change network TAP modes on-the-fly or in the future
- Mix and match modules by media and/or speeds
- Supports **single-mode**: OS1/OS2 and **multi-mode**: OM3/OM4/OM5 media for long range and short range environments
- Supports Cisco BiDirectional optical technology
- Supports split ratios of: 90/10, 80/20, 50/50, 70/30, 60/40
- Designed, manufactured and supported in the United States
- Tested and Certified








## 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
-  Network Packet Broker
-  Deep Packet Inspection
-  Network Analyzer
-  Forensics

## Competitive Edge

- Supports OS1/ OS2, OM1/OM2 and OM3/OM4/OM5 Media
- New prism based technology reduces bit errors on OM3/OM4/OM5 applications, providing 100% utilization
- Tested and Certified









## Have Questions?

sales@garlandtechnology.com  
+716.242.8500  
garlandtechnology.com

# Modular Chassis Passive Fiber Network TAPs

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

Chassis options							
Model #	Network Speed	Ports	# of TAPs	Split Ratio*	Wavelengths	Media	Connector/Mode
FMC-1U	Fiber Modular Chassis						
OS2501M	100Gbps		1	50/50	1310/1550nm	Fiber-OS1/OS2	Fiber-LC Single-Mode Fiber
OS2701M	100Gbps		1	70/30	1310/1550nm	Fiber-OS1/OS2	Fiber-LC Single-Mode Fiber
OM1501M	10Gbps		1	50/50	850/1300nm	Fiber-OM1/OM2	Fiber-LC Multi-Mode Fiber
OM1701M	10Gbps		1	70/30	850/1300nm	Fiber-OM1/OM2	Fiber-LC Multi-Mode Fiber
OM4501M	10Gbps		1	50/50	850nm	Fiber-OM3/OM4/OM5	Fiber-LC Multi-Mode Fiber
OM4701M	10Gbps		1	70/30	850nm	Fiber-OM3/OM4/OM5	Fiber-LC Multi-Mode Fiber
OM4501-40GSR4BiDiM	40Gbps		1	50/50	800-950nm	Fiber-OM3/OM4/OM5	Fiber-LC Multi-Mode Fiber
OM4701-40GSR4BiDiM	40Gbps		1	70/30	800-950nm	Fiber-OM3/OM4/OM5	Fiber-LC Multi-Mode Fiber
OS2502-BiDiM	1G/10G		2	50/50	1270~1350nm/ 1450~1530nm/ 1510~1590nm	Fiber-OS2	Fiber-LC Single-Mode
OM4501-SR4BM	40/100Gbps		1	50/50	850nm	Fiber-OM3/OM4/OM5	MTP-12 Multi-Mode Fiber
OM4701-SR4BM	40/100Gbps		1	70/30	850nm	Fiber-OM3/OM4/OM5	MTP-12 Multi-Mode Fiber
OM4501-100GSR10AM	100Gbps		1	50/50	850nm	Fiber-OM3/OM4/OM5	MTP-24 Multi-Mode Fiber
OM4701-100GSR10AM	100Gbps		1	70/30	850nm	Fiber-OM3/OM4/OM5	MTP-24 Multi-Mode Fiber
OS23321X3M	1G/10Gbps		1	33.3/ 33.3/ 33.3	1310/1550nm	Fiber-OS2	Fiber LC Single-Mode Fiber

OS2 Fiber supports OS1 & OS2; OM1 Fiber supports OM1 & OM2; OM5 Fiber supports OM3 & OM4 \*Supports: 90/10, 80/20, 50/50, 70/30, 60/40

Dimensions (WxHxD): 17.40" x 1.75" x 13.45" (441.96mm x 44.45mm x 341.63mm)

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 - Corning 9/125 micron						
Split Ratio	Splitter: Single-Mode (OS1, OS2) with LC Connector*		Splitter plus loss with one mated pair**		Splitter plus loss with two mated pairs***	
	Network Port	Monitor Port	Network Port	Monitor Port	Network Port	Monitor Port
50/50	3.6 dB	3.6 dB	3.9 dB	3.9 dB	4.2 dB	4.2 dB
70/30	1.9 dB	5.8 dB	2.2 dB	6.1 dB	2.5 dB	6.4 dB

Optical Fiber Insertion Loss for OM1, OM3 with 850/1300nm - OM1 Models Corning 62.5 micron - OM3 Models Corning 50 Micron						
Split Ratio	Splitter: Multi-Mode with LC Connector*		Splitter plus loss with one mated pair**		Splitter plus loss with two mated pairs***	
	Network Port	Monitor Port	Network Port	Monitor Port	Network Port	Monitor Port
50/50	3.7 dB	3.7 dB	4 dB	4 dB	4.3 dB	4.3 dB
70/30	2.1 dB	6.1 dB	2.4 dB	6.4 dB	2.7 dB	6.7 dB

Optical Fiber Insertion Loss for OM4 with 850nm - OM4 Clearcurve BIF 900um buffer						
Split Ratio	Splitter: Multi-Mode MTP Connector*		Splitter plus loss with one mated pair**		Splitter plus loss with two mated pairs***	
	Network Port	Monitor Port	Network Port	Monitor Port	Network Port	Monitor Port
50/50	3.8 dB	3.8 dB	4.1 dB	4.1 dB	4.4 dB	4.4 dB
70/30	1.80 dB	6.6 dB	2.5 dB	7.30 dB	2.4 dB	7.2 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](#) or <http://hubs.ly/H07xhB40>



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. ©2018 Garland Technology LLC. All Rights Reserved