GARLAND TECHNOLOGY

See every bit, byte, and packet®

40G 100G

DATASHEET

MPO/MTP® Multi-mode Passive Fiber Network TAP

40G/100G-SR4 or 100G-SR10 | Portable

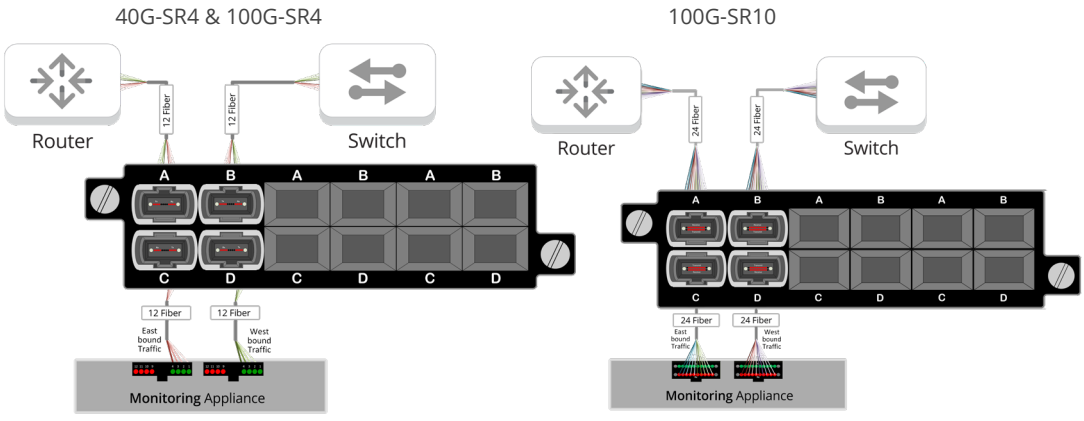
Network test access points (TAPs) are hardware tools that allow you to monitor your network. All fiber breakout TAPs are passive, purpose-built hardware devices that make a 100% copy of your network's data allowing your monitoring tools to see every bit, byte and packet.®

Passive TAPs are non-powered devices that will not cause the live network devices to lose link between one another if power is lost.

Key Features

- Multi-mode fiber in MTP-12 and MTP-24
- 100G-SR4 supports 4 Channels of 25G in each direction
- New Prism based technology that reduces bit errors on OM3 + OM4 + OM5 applications, providing 100% utilization.
- MTP® brand connectors for lowest dB loss
- 1U rack mount kit holds up to 4 modules, each module can have 1, 2 or 3 portable TAPs
- Portable, Plug & Play easy installation
- No power source required
- Tested and Certified
- 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

- New Prism based technology that reduces bit errors on OM3 + OM4 applications, providing 100% utilization.
- Features MTP® brand connections for lowest dB loss per connector.
- Tested and Certified

TESTED CERTIFIED GUARANTEED

Have Questions?

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MPO/MTP® Multi-mode Passive Fiber Network TAP

40G/100G-SR4 or 100G-SR10 | Portable

Model #	Network Speed	Ports	# of TAPs	Split Ratio*	Wavelengths	Media	Connnector/Mode
RMP-1U			1U Rack Mount Kit - Hold up to 4 Modules, each Module can have 1, 2, 3 or 4 TAPs				
OM4501-SR4B	40G/100G		1	50/50	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM4701-SR4B	40G/100G		1	70/30	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM5501-SR4B	40/100/400G		1	50/50	850-950nm	Fiber OM5	MTP-12 Multi-Mode Fiber
OM5701-SR4B	40/100/400G		1	70/30	850-950nm	Fiber OM5	MTP-12 Multi-Mode Fiber
OM4502-SR4B	40G/100G		2	50/50	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM4702-SR4B	40G/100G		2	70/30	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM5502-SR4B	40/100/400G		2	50/50	850-950nm	Fiber OM5	MTP-12 Multi-Mode Fiber
OM5702-SR4B	40/100/400G		2	70/30	850-950nm	Fiber OM5	MTP-12 Multi-Mode Fiber
OM4503-SR4B	40G/100G		3	50/50	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM4703-SR4B	40G/100G		3	70/30	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM5503-SR4B	40/100/400G		3	50/50	850-950nm	Fiber OM5	MTP-12 Multi-Mode Fiber
OM5703-SR4B	40/100/400G		3	70/30	850-950nm	Fiber OM5	MTP-12 Multi-Mode Fiber
OM4702-100GSR10A	100G		2	70/30	850nm	Fiber-OM3/OM4	MTP-24 Multi-mode Fiber
OM4503-100GSR10A	100G		3	50/50	850nm	Fiber-OM3/OM4	MTP-24 Multi-mode Fiber
OM4502-100GSR10A	100G		2	50/50	850nm	Fiber-OM3/OM4	MTP-24 Multi-mode Fiber
OM4703-100GSR10A	100G		3	70/30	850nm	Fiber-OM3/OM4	MTP-24 Multi-mode Fiber

*Split ratios available in 50/50; 60/40; 70/30; 80/20 and 90/10

Additional Specifications

Multi-mode
Fiber Type: 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 3.9" x 6.8" (43.69mm x 99.06mm x 172.72mm)
Weight: 1.45 lbs (0.66 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 OM4 with 850nm

Splitter: Multi-Mode MTP Connector*		
Split Ratio	**Network Port**	**Monitor Port**
50/50	3.8 dB	3.8 dB
70/30	1.80 dB	6.6 dB
Splitter plus loss with one mated pair**		
Split Ratio	**Network Port**	**Monitor Port**
50/50	4.1 dB	4.1 dB
70/30	2.5 dB	7.30 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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