![GARLAND TECHNOLOGY — See every bit, byte, and packet®]

MPO/MTP® Multi-mode Passive Fiber Network TAPs
## 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 loose 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
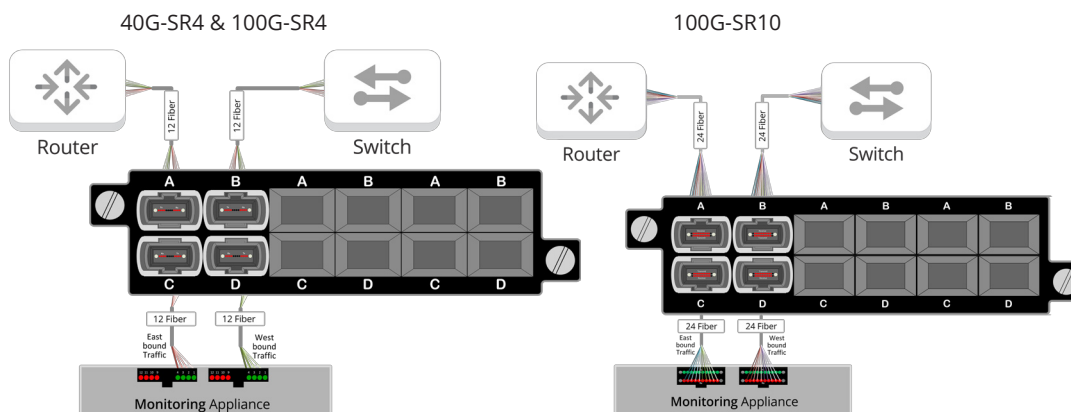
APPLICATIONS:

❯ 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

Network Flow

40G-SR4 & 100G-SR4

Router — 12 Fiber — 12 Fiber — Switch

A B A B A B
C D C D C D

12 Fiber 12 Fiber
East bound Traffic — West bound Traffic

Monitoring Appliance

100G-SR10

Router — 24 Fiber — 24 Fiber — Switch

A B A B A B
C D C D C D

24 Fiber 24 Fiber
East bound Traffic — West bound Traffic

Monitoring Appliance

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?

sales@garlandtechnology.com
+716.242.8500
garlandtechnology.com

MTP is a registered trademark of Conec Ltd

MPO/MTP® Multi-mode Passive Fiber Network TAPs
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/OM5	MTP-12 Multi-Mode Fiber
OM4702-SR4B	40G/100G		2	70/30	850nm	Fiber-OM3/OM4/OM5	MTP-12 Multi-Mode Fiber
OM4503-SR4B	40G/100G		3	50/50	850nm	Fiber-OM3/OM4/OM5	MTP-12 Multi-Mode Fiber
OM4701-SR4B	40G/100G		1	70/30	850nm	Fiber-OM3/OM4/OM5	MTP-12 Multi-Mode Fiber
OM4502-SR4B	40G/100G		2	50/50	850nm	Fiber-OM3/OM4/OM5	MTP-12 Multi-Mode Fiber
OM4703-SR4B	40G/100G		3	70/30	850nm	Fiber-OM3/OM4/OM5	MTP-12 Multi-Mode Fiber
OM4501-100GSR10A	100G		1	50/50	850nm	Fiber-OM3/OM4/OM5	MTP-24 Multi-mode Fiber
OM4702-100GSR10A	100G		2	70/30	850nm	Fiber-OM3/OM4/OM5	MTP-24 Multi-mode Fiber
OM4503-100GSR10A	100G		3	50/50	850nm	Fiber-OM3/OM4/OM5	MTP-24 Multi-mode Fiber
OM4701-100GSR10A	100G		1	70/30	850nm	Fiber-OM3/OM4/OM5	MTP-24 Multi-mode Fiber
OM4502-100GSR10A	100G		2	50/50	850nm	Fiber-OM3/OM4/OM5	MTP-24 Multi-mode Fiber
OM4703-100GSR10A	100G		3	70/30	850nm	Fiber-OM3/OM4/OM5	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.

GARLAND
TECHNOLOGY
See every bit, byte, and packet®