Multi-mode 40G-SR4 Passive Fiber TAPs
## Multi-mode | Breakout Network TAPs

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

- 100% network visibility
- 100% secure and invisible; no IP address; no Mac address; cannot be hacked
- Features MTP®brand connections for lowest dB loss per connector
- Passes physical layer errors
- Supports Breakout Mode
- 1U rack mount kit holds up to 4 modules, each module can have 1, 2 or 3 TAPs
- Plug & Play easy installation, no configuration; no power source required
- Made, tested and certified in the USA

Network Flow
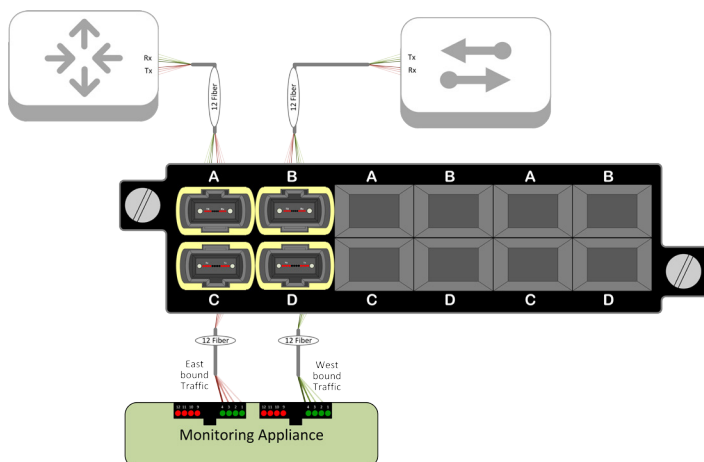
APPLICATIONS:
❯ Network & Application Monitoring
❯ Network & Application Analysis
❯ Network & Application Performance

✚ 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

TECHNOLOGY PARTNERS:
Garland Technology's Breakout TAPs have been approved for use by:

riverbed Think fast. | cisco Solution Partner | savvius | FLUKE networks

NETSCOUT. | da+a+ap | endace | Gearbit

NETFORT know your network | inveaTECH | big switch networks

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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Multi-mode 40G-SR4 Passive Fiber TAPs

Modular | Multi-mode | Breakout Network TAPs

Model #	Network Speed	Ports	# of TAPs	Split Ratio*	Wavelengths	Media	Connnector/Mode
OM4501-40GSR4B	40G		1	50/50	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM4702-40GSR4B	40G		2	70/30	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM4503-40GSR4B	40G		3	50/50	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM4701-40GSR4B	40G		1	70/30	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM4502-40GSR4B	40G		2	50/50	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
OM4703-40GSR4B	40G		3	70/30	850nm	Fiber-OM3/OM4	MTP-12 Multi-Mode Fiber
RMP-1U	1U Rack Mount Kit - Hold up to 4 Modules, each Mod can have 1, 2 or 3 TAPs						

Additional Specifications

Multimode
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)
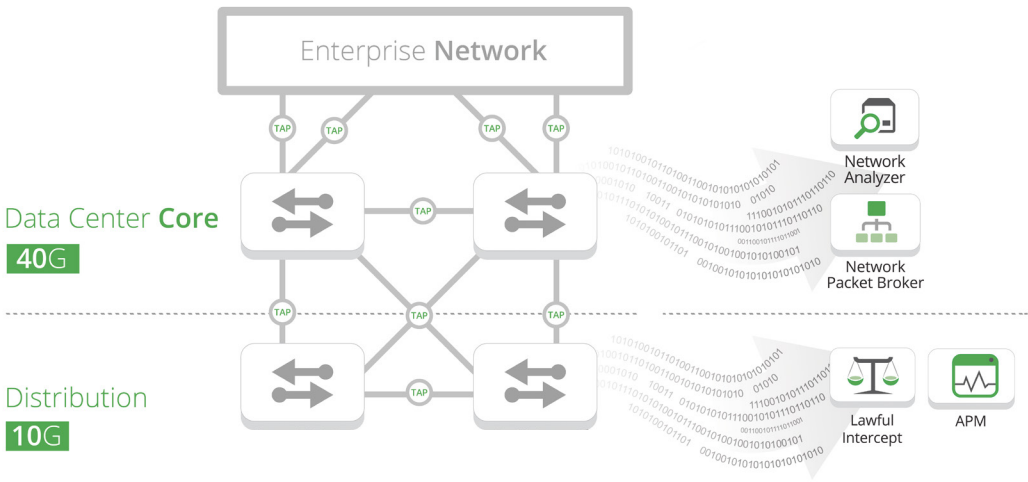**Weight:** 1.45 lbs (0.66 kg)
Ambient Temperature: 0C to +40C / +32F to +104F
Storage Temperature: -20C to +70C / -4F to +158F
Humidity: 90% non-condensing
*There is no power needed for these TAPs

Use Case

Data Center **Core**
`40G`

Distribution
`10G`

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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