

# Single-mode Passive Fiber Network TAP

1G/10G/25G/40G/100G | Portable



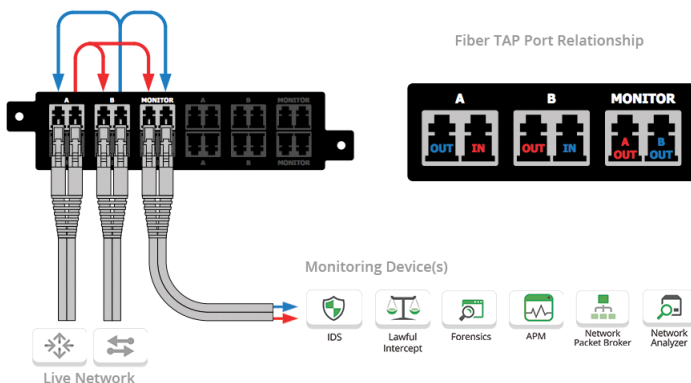
Network test access points (TAPs) are hardware tools that allow you to monitor your network. All fiber breakout TAPs are passive, purpose-built hardware devices that make a 100% copy of your network's data allowing your monitoring tools to see every bit, byte and packet.®

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

- 100% network visibility
- 100% secure and invisible; no IP address; no Mac address; cannot be hacked
- Passes physical layer errors
- Supports Breakout Mode
- Supports Jumbo frames
- TAPs constructed with durable, crush-resistant materials (metal)
- 1U rack mount kit holds up to 4 modules, each module can have 1, 2, 3 or 4 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
- > Data Center-Longhaul fiber environment
- + 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
- Packet Capture: Packet Capture
- DPI: Deep Packet Inspection
- Network Analyzer: Network Analyzer
- Forensics: Forensics

## Competitive Edge

- No upgrade needed. Unlike the competition, this handles your network today and tomorrow, and will work in all of your applications.
- Supports long range and extended range single-mode environments.
- Tested and Certified





















## Have Questions?

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# Single-mode Passive Fiber Network TAP

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| Model #     | Network Speed   | Ports   | # of TAPs  | Split Ratio* | Wavelengths                                 | Media     | Connector/Mode             |
|-------------|---|---|--|--------------|---|-----------|----------------------------|
| RMP-1U      |  |   | 1U Rack Mount Kit - Hold up to 4 Modules, each Module can have 1, 2, 3 or 4 TAPs |              |   |           |                            |
| OS1501      | Up to 100G  |    | 1  | 50/50        | 1310/1550nm                                 | Fiber-OS1 | Fiber-LC Single-Mode Fiber |
| OS1701      | Up to 100G  |    | 1  | 70/30        | 1310/1550nm                                 | Fiber-OS1 | Fiber-LC Single-Mode Fiber |
| OS2501      | Up to 100G  |    | 1  | 50/50        | 1310/1550nm                                 | Fiber-OS2 | Fiber-LC Single-Mode Fiber |
| OS2701      | Up to 100G  |    | 1  | 70/30        | 1310/1550nm                                 | Fiber-OS2 | Fiber-LC Single-Mode Fiber |
| OS1502      | Up to 100G  |    | 2  | 50/50        | 1310/1550nm                                 | Fiber-OS1 | Fiber-LC Single-Mode Fiber |
| OS1702      | Up to 100G  |    | 2  | 70/30        | 1310/1550nm                                 | Fiber-OS1 | Fiber-LC Single-Mode Fiber |
| OS2502      | Up to 100G  |    | 2  | 50/50        | 1310/1550nm                                 | Fiber-OS2 | Fiber-LC Single-Mode Fiber |
| OS2702      | Up to 100G  |    | 2  | 70/30        | 1310/1550nm                                 | Fiber-OS2 | Fiber-LC Single-Mode Fiber |
| OS2702-BiDi | 1/10  |    | 2  | 70/30        | 1270-1350nm/<br>1450-1530nm/<br>1510-1590nm | Fiber-OS2 | Fiber-LC Single-mode Fiber |
| OS1503      | Up to 100G  |    | 3  | 50/50        | 1310/1550nm                                 | Fiber-OS1 | Fiber-LC Single-Mode Fiber |
| OS1703      | Up to 100G  |    | 3  | 70/30        | 1310/1550nm                                 | Fiber-OS1 | Fiber-LC Single-Mode Fiber |
| OS2503      | Up to 100G  |    | 3  | 50/50        | 1310/1550nm                                 | Fiber-OS2 | Fiber-LC Single-Mode Fiber |
| OS2703      | Up to 100G  |   | 3  | 70/30        | 1310/1550nm                                 | Fiber-OS2 | Fiber-LC Single-Mode Fiber |
| OS1504      | Up to 100G  |  | 4  | 50/50        | 1310/1550nm                                 | Fiber-OS1 | Fiber-LC Single-Mode Fiber |
| OS1704      | Up to 100G  |  | 4  | 70/30        | 1310/1550nm                                 | Fiber-OS1 | Fiber-LC Single-Mode Fiber |
| OS2504      | Up to 100G  |  | 4  | 50/50        | 1310/1550nm                                 | Fiber-OS2 | Fiber-LC Single-Mode Fiber |
| OS2704      | Up to 100G  |  | 4  | 70/30        | 1310/1550nm                                 | Fiber-OS2 | Fiber-LC Single-Mode Fiber |

\*Custom split ratios are available in 60/40, 80/20 or 90/10, please inquire.

## Additional Specifications

### 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       |

#### Single mode

Fiber Type: Corning 9/125 micron

Directivity: ≥50dB

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

\* 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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