Garland Technology’s high density fiber network TAPs feature an unique and cost-saving solution offering more functionality with less rack space.

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

Key Features

• 100% network visibility
• 100% secure and invisible; no IP address; no Mac address; cannot be hacked
• Single mode passive optical for up to 100Gb Ethernet
• Passes physical layer errors
• Supports Breakout Mode
• 1U chassis holds 28 or 56 TAPs - 56 TAP units are populated front and back
• Plug & Play easy installation, no configuration; no additional 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:
- Intrusion Detection Systems
- Application Performance Monitoring
- Lawful Interception
- Packet Capture
- Deep Packet Inspection
- Network Analyzer
- Forensics

Competitive Edge
• Highest density in industry with 28 or 56 TAPs
• Tested and Certified

Have Questions?
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**Single-mode Passive Fiber HD Network TAP**  
1G/10G/25G/40G/100G | High Density | 1U Chassis

<table>
<thead>
<tr>
<th>Model #</th>
<th>Network Speed</th>
<th>Chassis Size</th>
<th># of TAPs</th>
<th>Split Ratio*</th>
<th>Wavelengths</th>
<th>Media</th>
<th>Connector/Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS15028</td>
<td>1/10/25/40/100G</td>
<td>Chassis 1U</td>
<td>28</td>
<td>50/50</td>
<td>1310/1550nm</td>
<td>Fiber-OS1</td>
<td>Fiber-LC Single-mode Fiber</td>
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<td>1/10/25/40/100G</td>
<td>Chassis 1U</td>
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<td>70/30</td>
<td>1310/1550nm</td>
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<td>Fiber-OS2</td>
<td>Fiber-LC Single-mode Fiber</td>
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<td>Chassis 1U</td>
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<td>1310/1550nm</td>
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<tr>
<td>OS15056</td>
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<td>Fiber-OS2</td>
<td>Fiber-LC Single-mode Fiber</td>
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</tbody>
</table>

*Custom split ratios are available in 60/40, 80/20, 90/10, please inquire. *56 1U Fiber TAPs are populated front and back.

### Additional Specifications

**Fiber Type:** OS1 Models: Single-Mode 9/125 micron  
Single-Mode OS2:  
**Directivity:** ≥50dB  
**Temperature:** -40 to +85°C  
**Packaging:** Stainless steel tube, 3.05mm (dia) x 55mm (len)

**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 |

| Split Ratio 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 |

*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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