

## Optics Slim Tap



### ***A Family of Compact, Versatile Taps to Meet Your Visibility and Security Needs***

Gain total traffic visibility for your monitoring and security devices by placing Ixia Net Optics Slim Taps on critical network links. The new slender profile of these cost-efficient taps saves substantial rack space: install up to eight taps in a one rack unit panel. The all-optical design of the Slim Tap family is fully optimized and tested for high-performance on GigaBit or 10 GigaBit fiber networks. Available for both single-mode and multimode fiber, Slim Taps support passive monitoring of GigaBit links at speeds of 1000 Mbps.

Requiring no power, the Slim Taps establish permanent passive access ports without introducing a point of failure or disturbing other network connections. These passive taps deliver full-duplex monitoring with zero impact on network traffic around the clock.

Full-duplex monitoring is a snap with a custom monitoring cable that sends each side of the signal to a separate NIC on the monitoring device (cable kits sold separately).

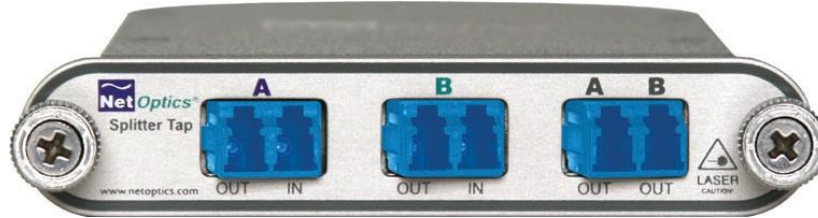
Without an IP address, both taps and monitoring devices are completely isolated from the network, dramatically reducing your exposure to attacks. However, any monitoring device connected to the tap still sees all full-duplex traffic as if it were inline, including Layer 1 and Layer 2 errors.

#### **Key Benefits and Features**

- Provides passive access at speeds of 1,000 or 10,000 Mbps without data stream interference or introducing a point of failure
- Compatible with 1310nm and 1550nm lasers
- Consistent with all protocols, including Ethernet, SONET, and SDH
- All-optical design is optimized and tested for GigaBit or 10 GigaBit fiber networks
- Permanent in-line installation will not affect network performance
- Passes all full-duplex traffic (including errors) from all layers for comprehensive troubleshooting
- No IP address needed for the tap or monitoring device, enhancing monitoring security
- Completely passive and transparent to the network, requiring no power
- Front-mounted network connectors enable easy installation and operation
- Angled connectors minimize cable strain
- Optional 19-inch rack frame holds up to 8 taps
- Compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection systems

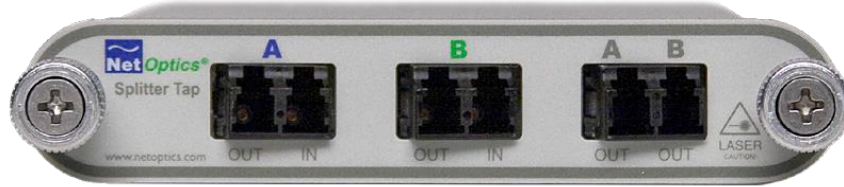
## Specifications

### Single-Mode Slim Taps



Specification	GigaBit Slim Tap	10 GigaBit Slim Tap																		
Operating	<ul style="list-style-type: none"> <li>Operating Temperature: 0°C to 40°C</li> <li>Relative Humidity: 10%min, 95% max, non-condensing</li> </ul>																			
Non-Operating	<ul style="list-style-type: none"> <li>Storage Temp: -20°C to 70°C</li> <li>Relative Humidity: 10%min, 95%max, non-condensing</li> </ul>																			
Mechanical	<ul style="list-style-type: none"> <li>Dimensions: 0.8" high x 5.5" deep x 4" wide</li> </ul>																			
Splitter	Fiber Type: Corning Single-mode 8.5/125μm, wavelength 1310/1550nm  <table border="1"> <thead> <tr> <th>Split Ratio</th> <th>Network Port Insertion Loss</th> <th>Monitor Port Insertion Loss</th> </tr> </thead> <tbody> <tr> <td>90/10</td> <td>0.8 dB</td> <td>12.0 dB</td> </tr> <tr> <td>80/20</td> <td>1.3 dB</td> <td>8.0 dB</td> </tr> <tr> <td>70/30</td> <td>2.0 dB</td> <td>6.1 dB</td> </tr> <tr> <td>60/40</td> <td>2.8 dB</td> <td>4.8 dB</td> </tr> <tr> <td>50/50</td> <td>3.7 dB</td> <td>3.7 dB</td> </tr> </tbody> </table>		Split Ratio	Network Port Insertion Loss	Monitor Port Insertion Loss	90/10	0.8 dB	12.0 dB	80/20	1.3 dB	8.0 dB	70/30	2.0 dB	6.1 dB	60/40	2.8 dB	4.8 dB	50/50	3.7 dB	3.7 dB
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Connectors	<ul style="list-style-type: none"> <li>Monitoring Port: (1) Duplex LC connector</li> <li>Network Ports: (2) Duplex LC connectors</li> </ul>																			
Certifications	<ul style="list-style-type: none"> <li>Safety: UL 60950, cUL 60950, CE, CB</li> <li>Emissions and Immunity: FCC, EN, ICES - 003 Class A, FCC Part 15 Subpart B, ICES-003 Class A, VCCI V-3, EN 55022, CISPR 22 Edition 6, AS/NZS CISPR 22, EN 55024, CISPR 24</li> <li>Environmental: RoHS, WEEE, Fully IEEE 802.3 compliant</li> </ul>																			

Multimode Slim Taps



Specification	GigaBit Slim Tap	10 GigaBit Slim Tap																		
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## Product Ordering Information

### ***GigaBit Slim Tap (Single-Mode)***

TP-LX5-LCSLM

GigaBit Fiber Tap, LX-SM, 1310nm, 50:50

TP-LX4-LCSLM

GigaBit Fiber Tap, LX-SM, 1310nm, 60:40

TP-LX3-LCSLM

GigaBit Fiber Tap, LX-SM, 1310nm, 70:30

TP-LX2-LCSLM

GigaBit Fiber Tap, LX-SM, 1310nm, 80:20

TP-LX1-LCSLM

GigaBit Fiber Tap, LX-SM, 1310nm, 90:10

RK-8V2

Eight Slot Rack Mount Frame

### ***GigaBit Slim Tap (Multimode)***

**TP-SXx-LCSLM\***

GigaBit Fiber Tap, SX-MM

**TP-50SXx-LCSLM\***

GigaBit Fiber Tap, SX-MM, 50µm

**RK-8V2**

Eight Slot Rack Mount Frame

## ***10 Gigabit Slim Tap (Single-Mode)***

### **TP-LR5-LCSLM**

10 GigaBit Fiber Tap, LR-SM, 1310nm, 50:50

### **TP-LR4-LCSLM**

10 GigaBit Fiber Tap, LR-SM, 1310nm, 60:40

### **TP-LR3-LCSLM**

10 GigaBit Fiber Tap, LR-SM, 1310nm, 70:30

### **TP-LR2-LCSLM**

10 GigaBit Fiber Tap, LR-SM, 1310nm, 80:20

### **TP-LR1-LCSLM**

10 GigaBit Fiber Tap, LR-SM, 1310nm, 90:10

### **RK-8V2**

Eight-Slot Rack Mount Frame

## ***10 Gigabit Slim Tap (Multimode)***

### **TP-SRx-LCSLM\***

10 GigaBit Fiber Tap, SR-MM, 850nm

### **TP-50SRx-LCSLM\***

10 GigaBit Fiber Tap, SR-MM, 50µm 850nm

### **RK-8V2**

Eight Slot Rack Mount Frame

\* The variable "x" denotes the split ratio specification where "1" is 90:10, "2" is 80:20, "3" is 70:30, "4" is 60:40 and "5" is 50:50 respectively. All products include a 1 year manufacturer's warranty. 1 or 2 year Maintenance Plan options are available at time of product purchase.