



# GigaBit Fiber Taps

Get total traffic visibility for monitoring and security devices by placing Net Optics GigaBit Fiber Taps on critical network links. The new slim profile of the GigaBit Fiber Tap saves rack space —install up to six Taps in a one rack unit panel. The all-optical design of the GigaBit Fiber Tap is optimized and tested for high-performance on GigaBit fiber networks. Available for both singlemode and multimode fiber, GigaBit Fiber Taps support passive monitoring of GigaBit links at speeds at 1000 Mbps.

Requiring no power, the GigaBit Fiber 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. All network and monitoring cables necessary for plug-and-play deployment are included.

Without an IP address, monitoring devices are isolated from the network, dramatically reducing their exposure to attacks. However, the monitoring device connected to the Tap still sees all full-duplex traffic as if it were in-line, including Layer 1 and Layer 2 errors.

## Passive, Secure Technology

- Provides passive access at speeds at 1000 Mbps without data stream interference or introducing a point of failure
- All-optical design is optimized and tested for GigaBit fiber networks
- Permanent in-line installation without affecting network performance
- Passes all full-duplex traffic (including errors) from all layers for comprehensive troubleshooting
- No IP address is needed for the Tap or monitoring device, enhancing monitoring security
- Completely transparent to the network and requires no power

## Ease of Use

- Front-mounted network connectors for easy installation and operation
- Angled connectors minimize cable strain
- Silk-screened application diagram illustrates all connections for easy deployment
- Optional 19-inch rack frames hold up to 6 Taps
- Compatible with all major manufacturer’s monitoring devices including protocol analyzers, probes, and intrusion detection/prevention systems



**Technical Specifications:**

**Operating:**  
**Operating Temperature:** -40°C to 85°C  
**Storage Temperature:** -55°C to 85°C  
**Relative Humidity:** 10%min, 95%max, non-condensing

**Mechanical:**  
**Dimensions:** 0.809" high x 4.375" deep x 5.550" wide

**Splitter:**  
**Fiber Type:** Corning Multimode 50 or 62.5/125µm, wavelength 850nm

Split Ratio	Network Port	Monitor Port
	Insertion Loss	Insertion Loss
90/10	1.3 dB	11.5 dB
80/20	1.8 dB	8.1 dB
70/30	2.4 dB	6.3 dB
60/40	3.1 dB	5.1 dB
50/50	4.5 dB	4.5 dB

**Connectors:**  
**Monitoring Port:** (1) Duplex SC connector  
**Network Ports:** (2) Duplex SC connectors

**Certifications:**  
 Fully RoHS compliant

Part Number	Description
TP-SXx-SCSLM*	GigaBit Fiber Tap, SX-MM
TP-50SXx-SCSLM*	GigaBit Fiber Tap, SX-MM, 50µm
RK-6V2	Six 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. An additional 1 or 2 year extended warranty may also be purchased.