



GigaBit LX to TX Tap

Get total traffic visibility for monitoring and security devices by placing Net Optics GigaBit LX to TX Taps on critical network links. GigaBit LX to TX Taps support passive monitoring of GigaBit links at speeds at 1000 Mbps.

For superior reliability, the GigaBit LX to TX Tap features Link Fault Signaling which gives the devices connected to the Tap critical information about link status. If either side of the bi-directional link fails, the Tap immediately communicates the fault to both devices.

The GigaBit LX to TX Taps establish permanent passive access ports without introducing a point of failure or disturbing other network connections. 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, including Layer 1 and Layer 2 errors.

For extra uptime protection, Net Optics GigaBit LX to TX Taps offer redundant power connections. Should the primary power source fail, the Tap automatically switches to the backup power source. Full-duplex monitoring is a snap with supplied cables. All network and monitoring cables necessary for plug-and-play deployment are included.

Passive, Secure Technology

- Provides passive access at speeds at 1000 Mbps without data stream interference or introducing a point of failure
- Link Fault Signaling prevents undetected link failures
- 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
- Redundant power ensures monitoring uptime

Ease of Use

- LED indicators show redundant power and link status
- Front-mounted connectors make installation and operation quick and easy
- Silk-screened application diagram illustrates all connections for easy deployment
- Optional 19-inch rack frames hold up to 3 or 12 Taps
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems

5303 Betsy Ross Drive • Santa Clara, CA 95054

Tel: +1 (408) 737-7777 • www.netoptics.com

Technical Specifications:

Splitter:

Split Ratio: 50/50, 60/40, 70/30

Fiber Type: Corning Singlemode 8.5/125µm

Wave Length: 1310nm

Max Insertion Loss: Network Port: 3.7dB, 2.8dB, 2.0dB

Operating:

Operating Temperature: 0°C to 40°C

Storage Temperature: -10°C to 70°C

Relative Humidity: 10% min, 95% max, non-condensing

Mechanical:

Power Supply:

Input: 100-240V, 0.5A, 47-63Hz, Output: 12V 1.5A

Dimensions: 1.125" high x 6.5" deep x 4.5" wide

Fiber Optic Interface:

Connector: Class I, eye-safe, laser emitter type. These Class I Lasers conform to the applicable requirements per US 21 CFR (J) and EN 60825-1, also UL 1950 applications.

Optical Transmitter Wave Length: 1310nm nominal

Output Power: -10 dB min, -3 dB max

Optical Receiver Input Sensitivity:
-3 dB min, -20 dB max

Cable Interface:

Copper Cable Type:

22-24 AWG unshielded twisted pair cable, CAT5/CAT5e

Link Distance Supported: 100 meters

Connectors:

Monitoring Ports: (2) RJ45, 8-pin connectors

Network Ports: (2) Singlemode Duplex LC connectors

Certifications:

Fully RoHS compliant

Part Number	Description
CVT-LX5/GCU	GigaBit LX to TX Tap, 50/50
CVT-LX4/GCU	GigaBit LX to TX Tap, 60/40
CVT-LX3/GCU	GigaBit LX to TX Tap, 70/30
RK-12V2	Twelve-Slot Rackmount Frame
RK-3V2	Three-Slot Rackmount Frame

All products include a 1 year manufacturer's warranty. An additional 1 or 2 year extended warranty may also be purchased.

Net Optics® is a registered trademark of Net Optics, Inc. Copyright 1996-2010 Net Optics, Inc. All rights reserved. Additional company and product names may be trademarks or registered trademarks of the individual companies and are respectfully acknowledged. PUBCVTLXTXD Rev. 1, 06/06