



10 GigaBit Media Converter Tap

Net Optics 10 GigaBit Media Converter Taps simplify connecting dissimilar monitoring and security devices to 10 GigaBit fiber network links. Convert SR to LR or LR to SR and tap into the link with one device, reducing cost and complexity at the same time. 10 GigaBit Media Converter Taps are optimized, high-performance devices that support passive monitoring of 10 GigaBit links at 10 Gbps speeds.

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.

Full-duplex monitoring is a snap with supplied cables. All network and monitoring cables necessary for plug-and-play deployment are included with the Tap.

For extra uptime protection, Net Optics 10 GigaBit Media Converter Taps offer redundant power connections. Should the primary power source fail, the Tap automatically switches to the backup power source. Power LEDs on the front of the Tap indicate the current power source.

Passive, Secure Technology

- Optimized and tested for 10 GigaBit fiber networks
- Provides transparent conversion at 10 Gbps without data stream interference
- Clock and Data Recovery (CDR) control overall jitter when deploying Converter Tap pairs
- Redundant power ensures link uptime
- Compatible with all singlemode and multimode fibers

Ease of Use

- LED indicators show link status and redundant power
- All network and monitor cables included
- Front-mounted connectors support easy installation and operation
- Connectors are perfectly angled to reduce cable strain
- Silk-screened application diagram illustrates all connections for easy deployment
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems



Technical Specifications:

Operating:

Operating Temperature: 0°C to 55°C

Storage Temperature: -10°C to 70°C

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

Mechanical:

Redundant Power Supplies:

Input: 100-240VAC, 0.5A, 47-63Hz

Dimensions: 1.75" high x 10.5" deep x 17" wide

Splitter:

Split Ratio: 50/50

Fiber Type:

Multimode Corning 50µm, wavelength 850nm (SR)

Singlemode Corning 8.5µm, wavelength 1310nm (LR)

Insertion Loss:

Network Port: 4.5 dB, Monitoring Port: 4.5 dB max (SR)

Network Port: 3.7 dB, Monitoring Port: 3.7 dB max (LR)

Fiber Optic Interface:

Laser: 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:

850nm nominal (SR), 1310nm nominal (LR)

Output Power:

-9.5 dB min, -4 dB max (SR), -10 dB min, -3 dB max (LR)

Optical Receiver Input Sensitivity:

0 dB min, -17 dB max (SR), -3 dB min, -20 dB max (LR)

Connectors:

Monitoring Ports: (1) Duplex SC connector

Network Ports: (2) Duplex SC connectors

Certifications:

Fully RoHS compliant

Fully IEEE 802.3 compliant

Part Number	Description
CVT-50SR5/LR	10 GigaBit SR to LR Converter Tap
CVT-LR5/50SR	10 GigaBit LR to SR Converter Tap

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