



# GigaBit ZX to SX Tap

Net Optics GigaBit ZX to SX Tap simplifies connecting SX fiber monitoring and security devices to ZX fiber network links. Convert ZX to SX and tap into the link with one device, reducing cost and complexity at the same time. GigaBit ZX to SX Taps support passive monitoring of GigaBit links at speeds at 1000 Mbps.

GigaBit ZX to SX 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 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. For extra uptime protection, Net Optics GigaBit ZX to SX Taps offer redundant power connections.

## Passive, Secure Technology

- Provides passive access at speeds at 1000 Mbps without data stream interference or introducing a point of failure
- Access GigaBit ZX fiber links with SX fiber devices without a separate converter
- 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 2 Taps
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems



### ▶ Technical Specifications:

#### Operating Specifications:

- Operating Temperature:** 0°C to 55°C
- Storage Temperature:** -10°C to 70°C
- Relative Humidity:** 10% min, 95% max, non-condensing

#### Mechanical Specifications:

- Power Supply:** Input: 100-240V, 0.5A, 47-63Hz  
(AC100-125V, 50-60 Hz, 30VA for Japan)
- Output: 5V 3A (5V, 2.4A for UK and Japan)
- Dimensions:** 1.25" high x 8.5" deep x 6.5" wide

#### Singlemode 1000Base-ZX Specifications:

- Wave Length:** 1550nm
- Fiber Type:** Corning Singlemode 8.5/125µm
- Split Ratio:** 70/30
- Insertion Loss:** Network Port: 2.0dB
- Optical Transmitter Wavelength:** 1550 nm nominal

#### Multimode 1000Base-SX Specifications:

- Wave Length:** 850nm
- Fiber Type:** Corning Multimode 62.5/125µm
- Split Ratio:** 70/30
- Insertion Loss:** Monitor Port: 6.1dB
- Optical Transmitter Wavelength:** 850 nm nominal
- Output Power:** -9.5 dB min, -4 dB max

#### Fiber Optics Interface:

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

#### Connectors:

Monitoring Port: (1) Multimode Duplex SC connector  
Network Ports: (2) Singlemode Duplex SC connectors

#### Certifications:

Fully RoHS compliant

Part Number	Description
CVT-ZX3/SX	GigaBit ZX to SX Tap
RK-2	Two Slot Rack Mount Frame

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

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