4x1 GigaBit Copper In-Line Regeneration Tap

Net Optics 4x1 GigaBit Copper Regeneration Taps solve the key physical layer challenges of multi-device monitoring for GigaBit fiber networks. For a better picture of network health, these Taps connect four different network management and security devices at any single GigaBit network location.

Keep your intrusion detection and prevention systems, protocol analyzers, RMON probes, and other security devices productive with a single Regeneration Tap. Maximize resources and save on access points when multiple devices can monitor link traffic simultaneously through a single Regeneration Tap.

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.

For extra uptime protection, Net Optics 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.

Passive, Secure Technology

- Enables real-time, simultaneous monitoring of a single GigaBit link with two monitoring devices
- Provides complete full-duplex visibility at 1000 Mbps without data stream interference or introducing a point of failure
- Passes all 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, speed, link, and activity status
- Front-mounted connectors support easy installation and operation
- Silk-screened application diagram illustrates all connections for easy deployment
- Optional custom monitoring cables support easy full-duplex monitoring by sending each side of the signal to a separate monitoring device NIC
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems

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:

Redundant Power Supplies (2):
Input: 100-240VAC, 0.5A, 47-63Hz
Dimensions: 1.75" high x 10.5" deep x 17" wide

Cable Interface:

Copper Cable Type:
22-24 AWG Unshielded twisted pair cable, CAT5E
Link Distance Supported: 100 meters

Connectors:

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

Certifications:

Fully RoHS compliant

Part Number	Description
RGN-GCU-IL4*	4x1 GigaBit Copper In-Line Regeneration Tap

*Also available in 2x1 and 8x1 models. All products include a 1 year manufacturer's warranty. An additional 1 or 2 year extended warranty may also be purchased.

ELEXO
20 Rue de Billancourt
92100 Boulogne-Billancourt
Téléphone : 33 (0) 1 41 22 10 00
Télécopie : 33 (0) 1 41 22 10 01
Courriel : info@elexo.fr
TVA : FR00722063534

Net Optics®
Customer First!

1130 Mountain View-Alviso Road • Sunnyvale, CA 94089

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