

4x1 10/100BaseT Regeneration Tap



Net Optics 4x1 10/100BaseT Regeneration Taps solve the key physical layer challenges of multi-device monitoring for 10/100BaseT networks. For a complete picture of network health, these Taps connect up to four different network management and security devices at any single 10/100BaseT 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.

The network port features Net Optics Zero Delay™ technology, ensuring that any loss of power to the Tap is transparent to the network, and does not affect the flow of traffic through the Tap — eliminating packet delay and loss as potential security issues.

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

- Enables real-time, simultaneous monitoring of a single 10/100BaseT link with up to four monitoring devices
- Provides complete full-duplex visibility at 10 or 100 Mbps without data stream interference or introducing a point of failure
- Unique Zero Delay technology ensures every packet goes through without delay, even if power is lost to the Tap
- 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



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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 Internal 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, CAT5/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

Fully IEEE 802.3 compliant

Part Number	Description
RGN-CU-IL4*	4x1 10/100BaseT 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.