

4x1 10/100 Active Response Regeneration Tap



Net Optics 4x1 10/100 Active Response Regeneration Taps solve the key physical layer challenges of multi-device monitoring and response. Active response capability increases Tap-based monitoring flexibility and efficiency. For a complete picture of network health, these Taps connect up to four different network management and security devices at any single 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.

When active responses to network events are required, the last set of monitoring ports can be changed to an Active Response Ports using a hardware switch. The Active Response Port buffers and transmits into the network link any type of Ethernet packet, from a simple TCP reset to ICMP messages. The combination of active response capability and passive monitoring in the Tap reduces the number of devices and network ports required for active response functionality.

Passive, Secure Technology

- Enables real-time, simultaneous full-duplex monitoring of a single 10/100 link with four monitoring devices
- Provides complete full-duplex visibility at 10 or 100 Mbps without data stream interference or introducing a point of failure
- Passes all traffic (including errors) from all network layers for comprehensive troubleshooting
- Redundant power ensures monitoring uptime

Enhanced, Efficient Monitoring

- Active response capability increases Tap-based monitoring flexibility and efficiency
- Hardware switch provides a secure transition between passive mode (transmit only) and active mode (transmit/receive) for the Active Response Port

Ease of Use

- LED indicators show redundant power, speed, link, and activity status
- DIP switches select auto-negotiation or fixed speed and duplexing settings for the Tap
- Front-mounted connectors support easy installation and operation
- 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



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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 8.25" deep x 17" wide

Cable Interface:

Copper Cable Type:

22-24 AWG unshielded twisted pair cable, CAT5/CAT5E

Link Distance Supported: 100 meters

Connectors:

Passive Monitoring Ports: (6) RJ45, 8 pin connectors

Passive Monitoring/Active Response Ports:

(2) 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-AR-IL4*	4x1 10/100BaseT Active Response 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.