

Port Aggregator Tap 10/100 Active Response

Net Optics Active Response Port Aggregator Taps provide ultra-efficient access to critical links with the option to inject an active response into the network. This pioneering technology enables any monitoring device to simultaneously monitor a full-duplex link – using only one NIC per device.

Typically, full-duplex monitoring with a network tap requires two NICs (or a dual channel NIC) – one interface for each side of the tapped full-duplex connection. The Port Aggregator Tap combines and regenerates these streams, sending all aggregated data out one separate passive monitoring port.

For cases where the NIC's capacity is exceeded – for instance, if there is a traffic burst, and the 100 Mbps NIC is now receiving 140 Mbps of traffic – port buffering is offered as a key unique feature to help prevent data overload.

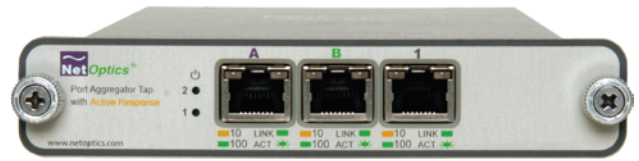
Net Optics Active Response Port Aggregator Tap is a simple plug-and-play solution. All network and monitoring cables necessary for plug-and-play deployment are included.

Passive, Secure Technology

- Supports full-duplex monitoring with a single NIC, increasing monitoring efficiency
- One megabyte of memory prevents data loss during excessive traffic loads
- Active response capability increases Tap-based monitoring flexibility and efficiency
- Provides complete full-duplex visibility at 10 or 100 Mbps without data stream interference or introducing a point of failure
- Compatible with Mid-Span Power over Ethernet (PoE) applications
- 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
- Silk-screened application diagram illustrates all connections for easy deployment
- Optional 19-inch rack frames hold up to three Taps
- Tested and compatible with all major manufacturers' monitoring devices, including 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:

Redundant Power Supplies:

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

Output: 12V 1.5A

Dimensions: 1.125" high x 9.125" deep x 4.5" wide

Cable Interface:

Copper Cable Type:

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

Link Distance Supported: 100 meters

Connectors:

Monitoring/Active Response Port (C):

(1) RJ45, 8 pin connector

Network Ports (A and B): (2) RJ45, 8 pin connectors

Certifications:

Fully RoHS compliant

Part Number	Description
PA-CU-AR*	10/100 Active Response Port Aggregator Tap
RK-3V2	Three Slot Rack Mount Frame
PWR12VU	12 Lead Power Supply

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