

10/100 Port Aggregator Tap

Net Optics Port Aggregator Taps provide ultra-efficient access to critical links. 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' Zero Delay™ technology ensures 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.

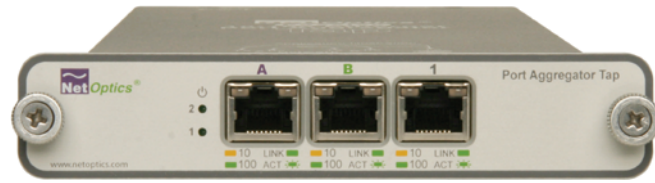
All network and monitoring cables necessary for plug-and-play deployment are included.

Passive, Secure Technology

- Supports full-duplex monitoring with a single NIC, increasing monitoring efficiency
- Two megabytes of memory prevents data loss during excessive traffic loads
- Provides complete full-duplex visibility at 10 or 100 Mbps without data stream interference or introducing a point of failure
- Unique Zero Delay™ technology every packet goes through without delay, even if power is lost to the Tap
- 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
- 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
- Optional 19-inch rack frames hold up to three Taps
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems



Technical Specifications:

Operating:

Operating Temperature: 0°C to 40°C

Storage Temperature: -10°C to 70°C

Relative Humidity: 10% min, 95% max, non-condensing

Mechanical:

Redundant Power Supplies:

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

Output: 12V 1.5A

DC Power Supply: Input: -48V DC @ 5Amps

DC Receptacle: Terminal peak, 12-14 guage wire

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 Port: (1) RJ45, 8 pin connector

Network Ports: (2) RJ45, 8 pin connectors

Certifications:

Fully RoHS compliant

Part Number	Description
PA-CU	10/100 Port Aggregator Tap, Rack-mount
PA-CU-DC	10/100 Port Aggregator Tap, Rack-mount -48V
RK-3V2	Three Slot Rack Mount Frame

*Also available in rack-mount 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.

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