



# 10/100 to Triple-speed Port Aggregator Tap

Net Optics 10/100 to 10/100/1000 Port Aggregator Taps provide ultra-efficient access to critical links. This pioneering technology enables any two monitoring devices to simultaneously monitor a full-duplex link — using only one NIC per device.

Typically, full-duplex monitoring with a network tap requires two NICs — one interface for each side of the tapped full-duplex connection. The 10/100 to 10/100/1000 Port Aggregator Tap combines and regenerates these streams, sending all aggregated data out two passive monitoring ports. The best part of this innovation is the generous buffers that ensure traffic isn't dropped during bursts.

Net Optics 10/100 to 10/100/1000 Port Aggregator Tap is a simple plug-and-play solution addressing the fact that many monitoring systems only offer a single channel NIC, limiting full-duplex visibility. 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. Even if power is lost and reapplied, the network is not affected. 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
- Regeneration Tap technology enables two devices to simultaneously monitor all aggregated traffic — using only one NIC per device
- 1GB memory buffer prevents data loss during excessive traffic loads
- Provides complete full-duplex visibility at 10/100 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
- 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
- Monitoring and network cables included for plug-and-play deployment
- Optional 19-inch rack frames hold up to two Taps
- Tested and compatible with all major manufacturers' monitoring devices
- Small form factor pluggable (SFP) Monitor Ports increase monitoring options
- Available with -48 VDC power
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems



## Technical Specifications

### Operating Specifications:

**Operating Temperature:** 0°C to 40°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 3A

#### Dimensions:

1.125" high x 11" deep x 8.75" wide

### Copper Specifications:

#### Copper Cable Type:

22-24 AWG unshielded twisted pair cable, CAT5/CAT5e

**Link Distance Supported:** 100 meters

### Connectors:

**Monitor Ports:** (2) RJ45 connectors

**Network Ports:** (2) RJ45 connectors

### Certifications:

Fully RoHS compliant

Part Number	Description
TPA-CU	10/100 to 10/100/1000 Port Aggregator

All products include a 1 year Manufacturer's Warranty. An additional 1 or 2 year Extended Warranty may also be purchased.