



GigaBit Port Aggregator Tap with SFP Monitor Ports

Net Optics GigaBit Port Aggregator Taps with SFP Monitor Ports 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 GigaBit 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 GigaBit 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. The GigaBit Port Aggregator Tap with SFP Monitor Ports requires the purchase of one or two SFP conversion kits. 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 1 Gbps 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
- 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

Splitter Specifications:

Fiber Type:

SX: Corning Multimode 50 or 62.5/125µm, wavelength 850nm

LX: Corning Singlemode 8.5/125µm, wavelength 1310nm

Split Ratio	Network Port	Monitor Port
	Insertion Loss	Insertion Loss
60/40	3.1 dB	5.1 dB
50/50	4.5 dB	4.5 dB

Copper Specifications:

Copper Cable Type:

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

Link Distance Supported: 100 meters

Connectors:

Monitor Ports: (2) SFP slots, SFPs ordered separately

Network Ports: (2) Duplex LC connectors

Certifications:

Fully RoHS compliant

Part Number	Description
TPA-SX4-SFP	GigaBit SX Port Aggregator Tap, 60:40
TPA-SX5-SFP	GigaBit SX Port Aggregator Tap, 50:50
TPA-LX4-SFP	GigaBit LX Port Aggregator Tap, 60:40
TPA-LX5-SFP	GigaBit LX Port Aggregator Tap, 50:50
SFPKT-SX*	GigaBit Fiber SX SFP with cable
SFPKT-LX*	GigaBit Fiber LX SFP with cable
SFPKT-CU3*	Triple-speed Copper SFP with cable
RK-iTP2	Two-Slot Rack Mount Frame

*Order one or two SFPs with each GigaBit Port Aggregator.

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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