

Port Aggregator Tap Dual GigaBit SX



Net Optics Dual GigaBit Fiber 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 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 Dual 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 requires no additional components or configuration. 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
- 64 MB of total memory prevents data loss during excessive traffic loads
- Optional 128 or 256 MB buffers for extra protection from traffic bursts
- 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, enhancing monitoring security
- 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
- Silk-screened application diagram illustrates all connections for easy deployment
- Optional 19-inch rack frames hold up to two Taps
- 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 Power Supplies:

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

Output: 12V 1.5A

Dimensions: 1.125" high x 11" deep x 6" wide

Splitter Specifications:

Fiber Type:

Corning Multimode 62.5/125µm, wavelength 850nm

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

Transceiver Specifications:

Gigabit SX 850nm, VCSEL, supports 62.5/125µm

Monitoring Port: Output Power: -9.5 dBm

Connectors:

Monitor Ports: (2) Duplex LC connectors

Network Ports: (2) Duplex SC connectors

Part Number	Description
96542-xx-64M	Dual GigaBit SX Port Aggregator Tap, 64 MB
96542-xx-128M	Dual GigaBit SX Port Aggregator Tap, 128 MB
96542-xx-256M	Dual GigaBit SX Port Aggregator Tap, 256 MB
96542-xx-64M-W1	One Year Extended Warranty, 64 MB
96542-xx-128M-W1	One Year Extended Warranty, 128 MB
96542-xx-256M-W1	One Year Extended Warranty, 256 MB
96542-xx-64M-W2	Two Year Extended Warranty, 64 MB
96542-xx-128M-W2	Two Year Extended Warranty, 128 MB
96542-xx-256M-W2	Two Year Extended Warranty, 256 MB
96209	Two-Slot Rack Mount Frame

xx-Please specify 60/40 or 50/50 split ratio when ordering.

GigaBit Fiber Port Aggregator Taps are also available in Singlemode models.