



# Link Aggregator

## (4) 10/100/1000 Links to (4) SFP Monitor Ports

Net Optics In-Line 10/100/1000 or Triple-speed Link Aggregator provides a comprehensive platform for monitoring multiple network links. All available traffic from up to four full-duplex links (eight half-duplex streams) is combined and visible to 4 SFP based monitor ports, which leverages monitoring tool resources. A pool of monitoring tool resources with differing functionality enables you to consolidate network performance, threat management, and VoIP analysis tasks into one easy to use device.

Installing monitoring tools on individual links decreases their reach and your ability to easily analyze traffic with differing tools sets. For this reason, the distribution of Link Aggregators across the organization ensures that both network and security IT staff can install the tools they need to do their jobs. The SFP based monitor ports allow you to use the copper or fiber based monitoring tools of your choice. This simple plug-and-play solution also addresses the fact that many monitoring tools only offer a single channel NIC, limiting full-duplex visibility. Simply connect the tool to the Aggregator when and where you need it most. At least one SFP Monitor Port Kit is required when purchasing the Link Aggregator.

All network pairs feature fail-open technology that ensures transparent traffic continuity even in the event of power loss to the Aggregator. For additional reliability, redundant power supplies are a standard feature.

### Passive, Secure Technology

- Supports full-duplex monitoring of four links, increasing monitoring efficiency
- Provides complete full-duplex visibility at 10, 100 or 1000Mbps without datastream interference or introducing a point of failure
- Passes all traffic (including errors) from all layers for comprehensive troubleshooting
- Link Fault Detect prevents undetected link failures
- No IP address needed for the Aggregator or monitoring tool, 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
- Small form-factor pluggable (SFP) monitor port connectors leverages available monitoring tools
- Compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection 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
- DC Power Input: -48 VDC typical, -36 VDC min, -75 VDC max
- Dimensions: 1.75" high x 17" deep x 19" wide

#### Cable Interface:

- Copper Cable Type: 22-24 AWG unshielded twisted pair cable, CAT5/CAT5E
- Link Distance Supported: 100 meters

#### Connectors:

- Monitoring Port: (4) SFP slots, SFPs ordered separately
- Network Ports: (8) RJ45, 8 pin connectors

#### Certifications:

- Fully RoHS compliant
- Fully IEEE 802.3 compliant

Part Number	Description
LA-IF4CU3/4SFP	10/100/1000 to SFPLink Aggregator Tap, (4) 10/100/1000 Network Links, (4) SFP Monitoring Ports
LA-IF4CU3/4SFP	10/100/1000 to SFPLink Aggregator Tap, (4) 10/100/1000 Network Links, (4) SFP Monitoring Ports
SFPKT-SX*	GigaBit Fiber SX SFP with cable
SFPKT-50SX*	GigaBit Fiber SX SFP with cable 50um
SFPKT-LX*	GigaBit Fiber LX SFP with cable
SFPKT-CU3*	Triple-speed Copper SFP with cable

\*Order a minimum of one or up to four SFPs with each 10/100/1000 Link Aggregator. All products include a 1 year manufacturer's warranty. An additional 1 or 2 year extended warranty may also be purchased.