



iLink Agg LA-2408

8 Inline links or 16 Span Ports to 8 Monitor Ports Fully Configurable Port Mapping

With 24 ports in a 1U form-factor, Net Optics iLink Agg is the industry's highest port density 1 Gigabit link aggregator designed for monitoring applications. It enables a pool of monitoring tools to be applied to as many as 8 network links or 16 Span ports using integrated inline Taps, with fully configurable port mapping. Aggregate traffic from some ports. Regenerate monitor streams to multiple ports. Switch links to tools in a 1-to-1 mapping. The iLink Agg supports any configuration — any port can be used as a Span network input or as a monitoring tool output. When a fiber SFP is installed in a monitor port, the transmit fiber can be used as a tool output while the receive fiber is simultaneously used as a Span network input.

For maximum flexibility, each of the 8 network port pairs can be configured as either a passive inline connection or as two independent ports that can be used as Span network inputs or monitoring tool outputs.

Manage the iLink Agg locally or remotely. Management features include simple port mapping, SSH security, role-based access, SNMPv3, RADIUS and TACACS+ authentication and authorization, RMON traffic statistics, and remote software upgrades.

The integrated Taps in the iLink Agg are fully passive, keeping traffic flowing even when the device is not powered. Net Optics innovative Virtual Zero Delay™ technology ensures that link is virtually never lost during power transitions, eliminating lengthy renegotiation sequences and minimizing packet loss.

For additional reliability, the iLink Agg features hot-swappable redundant power supplies.

Passive, Secure Technology

- Increases monitoring efficiency by enabling tools to view the traffic on as many as 8 network links or 16 Span ports simultaneously
- Improves network reliability when using in-line copper connections
- Avoids lengthy renegotiation cycles and minimizes packet loss with innovative Virtual Zero Delay™ technology
- Eliminates resource contention by enabling as many as 24 devices to monitor identical traffic at the same time
- Improves monitoring flexibility with fully configurable port mappings (any number of links to any number of tools)
- Provides complete visibility at 1 Gbps without interfering with the data stream and without introducing a point of failure
- Supports media type conversion with SFP transceiver modules on the monitor ports
- Enhances monitoring security because no IP address on the network is needed
- Intuitive and simple web based user interface enables quick graphical device configuration, monitoring and management.

Ease of Use

- Pre-loaded with common port mapping configurations
- LEDs indicate Link, Activity, and Power status
- Front-mounted connectors ease installation and operation
- High density 1U rack enclosure with slide rails
- Compatible with all Net Optics Taps and Bypass Switches
- Compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, firewalls, and intrusion detection/prevention systems



Technical Specifications:

Performance:

No packets are dropped when the aggregated traffic to any monitor port does not exceed the monitor port bandwidth

Latency: 4.5µsec (1Gbps, 64-byte packet)

Virtual Zero Delay: No loss of link during power transitions in most environments

Network Recovery Time: 40ms at 16bps

Hardware Throughput: 24Gbps

Mechanical:

Dimensions: 1.75" high x 19" wide x 17" deep

Weight: 11 lbs (5 kg)

Electrical:

Hot-Swappable Redundant Power Supplies:

AC Input: 96-264VAC, 47-63Hz, 1.18A @ 120VAC

DC Input: -48VDC nominal, -36 to -72VDC, 4.7A @ -48VDC

Consumption: 70W (typical)

Connectors:

Monitoring Port: (8) SFP cages (for output only)

Network Ports: (16) RJ45 10/100/1000

Management Ports: (1) RJ45 RS232 and (1) RJ45 10/100/1000

Management:

CLI local or SSH remote, Web UI, SNMPv3, SNMPv2, SNMPv1, RADIUS, TACACS+, RMON, DHCP

Operating:

Operating Temperature: 0°C to 40°C

Storage Temperature: -10°C to 70°C

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

Certifications:

Safety: UL, CE, CB, CSA

Emissions and Immunity: FCC, EN

Environmental: RoHS, WEEE, Fully IEEE 802.3 compliant

Part Number	Description
LA-2408	iLink Agg, (16) 10/100/1G IL/Span to (8) SFP VZD
LA-2408-DC	iLink Agg, (16) 10/100/1G IL/Span to (8) SFP VZD, -48VDC
SFPKT-FX Kit	Fiber, 100M, FX, SFP Transceiver, 1300nm, 62.5um, w/Cable
SFPKT-SX Kit	Fiber, 1G, SX, SFP Transceiver, 850nm, 62.5um, w/Cable
SFPKT-50SX Kit	Fiber, 1G, SX, SFP Transceiver, 850nm, 50um, w/Cable
SFPKT-LX Kit	Fiber, 1G, LX, SFP Transceiver, 1310nm, 8.5um, w/Cable
SFPKT-CU3 Kit	Copper, CU3, SFP Transceiver, w/Cable

All products include a 1 year manufacturer's warranty. Additional service plan options to extend warranty coverage are available for purchase; see the Service Plan for details.

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5303 Betsy Ross Drive • Santa Clara, CA 95054

Tel: +1 (408) 737-7777 • www.netoptics.com



iLink Agg LA-2407

8 Inline links [16 Ports] to 8 Monitor Ports Fully Configurable Port Mapping

With 24 ports in a 1U form-factor, Net Optics iLink Agg is the industry's highest port density 1 Gigabit link aggregator designed for monitoring applications. It enables a pool of monitoring tools to be applied to as many as 8 network links using integrated inline Taps, with fully configurable port mapping. Aggregate traffic from some ports. Regenerate monitor streams to multiple ports. Switch links to tools in a 1-to-1 mapping. The iLink Agg supports one-to-one, one-to-many, many-to-one, and many-to-many mappings of the traffic arriving at the 16 network ports to traffic leaving the 8 monitor ports. (Monitor ports cannot be used as inputs.)

For maximum flexibility, each of the 8 network port pairs can be configured as either a passive inline connection or as two independent ports that can be used as Span network inputs or monitoring tool outputs.

Manage the iLink Agg locally or remotely. Management features include simple port mapping, SSH security, role-based access, SNMPv3, RADIUS and TACACS+ authentication and authorization, RMON traffic statistics, and remote software upgrades.

The integrated Taps in the iLink Agg are fully passive, keeping traffic flowing even when the device is not powered. Net Optics innovative Virtual Zero Delay™ technology ensures that link is virtually never lost during power transitions, eliminating lengthy renegotiation sequences and minimizing packet loss.

For additional reliability, the iLink Agg features hot-swappable redundant power supplies.

Passive, Secure Technology

- Increases monitoring efficiency by enabling tools to view the traffic on as many as 8 network links simultaneously
- Improves network reliability when using in-line copper connections
- Avoids lengthy renegotiation cycles and minimizes packet loss with innovative Virtual Zero Delay™ technology
- Eliminates resource contention by enabling as many as 24 devices to monitor identical traffic at the same time
- Improves monitoring flexibility with fully configurable port mappings (any number of links to any number of tools)
- Provides complete visibility at 1 Gbps without interfering with the data stream and without introducing a point of failure
- Supports media type conversion with SFP transceiver modules on the monitor ports
- Enhances monitoring security because no IP address on the network is needed
- Intuitive and simple web based user interface enables quick graphical device configuration, monitoring and management.

Ease of Use

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Operating:

Operating Temperature: 0°C to 40°C

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

Non-Operating:

Storage Temperature: -20°C to 70°C

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

Certifications:

Safety: UL 60950, cUL 60950, CE, CB,

Emissions and Immunity: FCC, EN, ICES - 003 Class A

Environmental: RoHS, WEEE, Fully IEEE 802.3 compliant

Part Number	Description
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LA-2407-DC	iLink Agg, (16) 10/100/1G IL/Span to (8) SFP VZD, -48VDC
SFPKT-FX Kit, Fiber, 100M, FX, SFP Transceiver, 1300nm, 62.5um, w/Cable	
SFPKT-SX Kit, Fiber, 1G, SX, SFP Transceiver, 850nm, 62.5um, w/Cable	
SFPKT-50SX Kit, Fiber, 1G, SX, SFP Transceiver, 850nm, 50um, w/Cable	
SFPKT-LX Kit, Fiber, 1G, LX, SFP Transceiver, 1310nm, 8.5um, w/Cable	
SFPKT-CU3 Kit, Copper, CU3, SFP Transceiver, w/Cable	

All products include a 1 year manufacturer's warranty. Additional service plan options to extend warranty coverage are available for purchase; see the Service Plan for details.

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