

# Ixia Copper Port Aggregator

The Ixia Copper Port Aggregator is a secure and easy-to-use aggregation device for a single network link. This aggregation tap technology enables two monitoring devices to simultaneously monitor a full-duplex link – using only one port 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 Ixia Copper 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.

Ixia Copper Port Aggregator 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, Ixia taps offer redundant power connections. Should the primary power source fail, the Tap automatically switches to the backup power source.

## Key Features

- Secure tap—No way for the device to become compromised or be brought down by external threats
- Fail to wire—Relays fail open, allowing traffic to flow even in a power outage
- Does not drop packets—1G buffer stores packets during bursts or high-use periods
- Does not modify traffic—tools see real copies of the packets from the network
- Cost effective—avoid costly expenses managing SPAN ports

## Highlights

- Secure monitoring—no IP address is needed for the tap or monitoring device, keeping it isolated from external threats
- 1Gb memory buffer prevents data loss during excessive traffic loads or bursts
- Passes all traffic (including errors) from all layers
- Redundant power ensures monitoring uptime



## Specifications

Specifications	
Mechanical	<ul style="list-style-type: none"><li>• Redundant Power Supplies:<ul style="list-style-type: none"><li>○ Input: 100-240VAC, 0.6A, 47-63Hz</li><li>○ Output: 12VDC, 5A</li></ul></li><li>• Dimensions: 1.125" high x 11" deep x 8.75" wide</li></ul>
Copper	<ul style="list-style-type: none"><li>• Copper Cable Type: 22-24 AWG unshielded twisted pair cable, CAT5/CAT5e</li><li>• Link Distance Supported: 100 meters</li></ul>
Operating	<ul style="list-style-type: none"><li>• Operating Temperature: 0°C to 40°C</li><li>• Relative Humidity: 10% min, 95%max, non-condensing</li></ul>
Non-Operating	<ul style="list-style-type: none"><li>• Storage Temperature: -20°C to 70°C</li><li>• Relative Humidity: 10% min, 95%max, non-condensing</li></ul>
Certifications	<ul style="list-style-type: none"><li>• Safety: UL 60950, cUL 60950, CE, CB</li><li>• Emissions and Immunity: FCC, EN, ICES - 003 Class A</li><li>• Environmental: RoHS, WEEE, Fully IEEE 802.3 compliant</li></ul>

## Ordering Information

**TPA-CU3** Port Aggregator, Inline, Copper, 10/100/1G

**TPA-CU** Port Aggregator, Inline, Copper, 10/100, Zero Delay

**RK-iTP2** 2-Slot Rack-mount Frame

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