

Ixia Net Optics Gig Zero Delay™ Tap



The Ixia line of copper taps provides complete traffic visibility and access to any network connection. A copper tap can be deployed onto any inline network link, delivering permanent monitoring access ports. The copper tap provides an out-of-band monitoring or security tool, with all traffic as if it were sitting inline. All copper taps are designed to work with both high- and low-use links. The taps send copies of traffic, including Layer 1 and Layer 2 errors, from each side of the full-duplex network link to its respective monitor ports. The copper taps have no IP address, isolating them from the network, and eliminating exposure to external attacks.

Using an Ixia Net Optics Gig Zero Delay™ Tap guarantees zero packet loss on the network link in the event that the tap loses power. The Zero Delay Taps use two innovative solutions to ensure that power glitches and failures do not result in link loss, dropped packets, or interruptive renegotiation sequences. Zero Delay Taps are available in 10/100Mbps or 10/100/1000Mbps models. The 10/100/1000Mbps model comes with battery backup to ensure that the auto negotiation sequence is not initiated after a power outage. The battery will provide protection for up to 5 hours; during normal operation it will recharge, ensuring that your network connection is never at risk.

Key Features

- Zero Delay technology ensures no packet or link loss if the tap loses power
- Up to 5 hours of backup battery power
- Link fault detect prevents undetected network link failures
- Passes all network traffic including errors, to the monitoring tools
- Permanent inline installation that does not affect network performance
- Isolated from external attacks
- LED shows power, speed, link, and activity
- DIP switches for configuring duplexing, auto-negotiation, and speed settings
- Optional 19-inch rack frames hold up to 3 (1U) or 12 (4U) taps
- Available in AC and DC (-48V) models
- Redundant power ensures monitoring uptime



Specifications	
Operating	<ul style="list-style-type: none"> • Operating: <ul style="list-style-type: none"> ○ Operating Temperature: 0°C to 40°C ○ Relative Humidity: 10% min, 95% max, non-condensing • Non-Operating: <ul style="list-style-type: none"> ○ Non-Operating Storage Temperature: -10°C to 70°C ○ Relative Humidity: 10% min, 95% max, non-condensing
Connectors	<ul style="list-style-type: none"> • Monitoring Ports: (2) RJ45, 8-pin connectors • Network Ports: (2) RJ45, 8-pin connectors
Mechanical	<ul style="list-style-type: none"> • ZD models <ul style="list-style-type: none"> ○ Dimensions: 1.1" high x 9.9" deep x 5.55" wide • CU3 models <ul style="list-style-type: none"> ○ Dimensions: 1.1" high x 6.4" deep x 5.55" wide
Electrical	<ul style="list-style-type: none"> • Passes All Power over Ethernet (PoE) applications • Power Consumption: 8W typical, 18W max (CU3 model) • Power Consumption: 8W typical, 30W max (ZD model)
ZD - Power Supply	<ul style="list-style-type: none"> • AC Power Input: 100-240VAC, 47-63Hz, 0.3A@120VAC • DC Power Input: -36VDC to -75VDC, 0.75A @ 48VDC Typical • Output: 3.3A @ 12VDC
Battery Power	<ul style="list-style-type: none"> • Up to 5 hours of battery power • Recharges during normal operation
CU3 & CU - Power Supply	<ul style="list-style-type: none"> • AC Power Input: 100-240VAC, 47-63Hz, 0.3A@120VAC • DC Power Input: -36VDC to -75VDC, 0.75A @ -48VDC Typical • Output:1.5A @ 12VDC
Latency (net-to-net, net-to-monitor, all packet sizes) ⁱ	<ul style="list-style-type: none"> • 0.75μsec@1000Mbps • 1.4μsec@100Mbps • 10μsec@10Mbps
Certifications	<ul style="list-style-type: none"> • Safety: UL 60950, cUL 60950, CE, CB • Emissions and Immunity: FCC, EN, ICES-003 Class A • Environmental: RoHS, WEEE, Fully IEEE 802.3 compliant

ⁱ Results are the same from Network to Network and Network to Monitor



Product Ordering Information

TP-CU3-ZD

Tap, 10/100/1G, Copper, Zero Delay

TP-CU3-ZD-DC

Tap, 10/100/1G, Copper, Zero Delay, DC

TP-CU3

Tap, 10/100/1G, Copper

TP-CU3-DC

Tap, 10/100/1G, Copper, DC

TP-CU

Tap, 10/100, Copper, Zero Delay

RK-3V2

Three Slot Rack Mount Frame

RK-12V2

Twelve Slot Rack Mount Frame

All products include a 1 year manufacturer's warranty. An additional 1 or 2 year extended warranty may also be purchased.