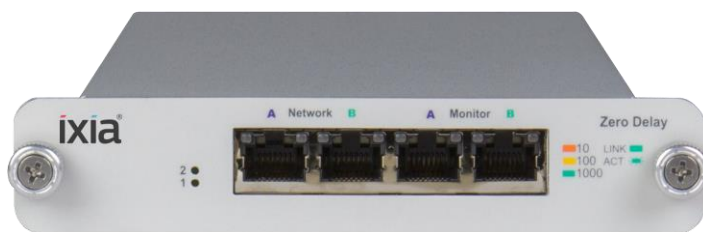


IXIA COPPER TAPS

DATA SHEET

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 copper 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. 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. Ixia Copper Taps provide network isolation, dropping any traffic that is accidentally or maliciously



transmitted back onto the monitor ports. The copper taps are isolated from the network because they have no IP address, eliminating exposure to external attacks.

Ixia offers two models of copper taps:

- 10/100/1000 Copper Tap
- Ixia Gig Zero Delay™ Tap

The Gig Zero Delay adds functionality that guarantees zero packet loss on the network link in the event that the tap loses power. It uses a battery backup to ensure that power glitches and failures do not result in link loss, dropped packets, or interruptive renegotiation sequences. To ensure that your network connection is never at risk, the battery provides protection for up to 5 hours and recharges during normal operation.

HIGHLIGHTS

- 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
- Ixia Power Chassis can power up to 8 or 12 copper Taps

SPECIFICATIONS

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Operating	<p>Operating:</p> <ul style="list-style-type: none"> • Operating Temperature: 0°C to 40°C • Relative Humidity: 10% min, 95% max, non-condensing <p>Non-Operating:</p> <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	<p>TP-CU3-ZD and TP-CU3-ZD-DC models</p> <ul style="list-style-type: none"> • Dimensions: 1.1" high x 9.9" deep x 5.55" wide • Weight: 1.79lbs (0.81kg) <p>TP-CU3 and TP-CU3-DC models</p> <ul style="list-style-type: none"> • Dimensions (AC model): 1.1" high x 6.4" deep x 5.55" wide • Dimensions (DC model): 1.1" high x 9.2" deep x 5.55" wide • Weight: 0.82lbs (0.37kg)
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)
Power Supply: TP-CU3-ZD and TP-CU3-ZD-DC models	<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 • Works with the PWR12-350-8L, powering up to 8 Taps with redundant power connections
Battery Power	<ul style="list-style-type: none"> • Up to 5 hours of battery power • Recharges during normal operation
Power Supply: TP-CU3 and TP-CU3-DC models	<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 • Works with the PWR12-350 or PWR12-350-DC, powering up to 12 Taps with redundant power connections for AC or DC environments

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

ORDERING INFORMATION

TP-CU3

Tap, Copper, 10/100/1G

TP-CU3-DC

Tap, Copper, 10/100/1G, -48V

TP-CU3-ZD

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

TP-CU3-ZD-DC

Tap, Copper, 10/100/1G, Gig Zero Delay, -48V

RK-3V2

Three Slot Rack Mount Frame

RK-12V2

Twelve Slot Rack Mount Frame

PWR12-350

Power Chassis, 12 DC power leads, 350W, AC power input

PWR12-350-DC

Power Chassis, 12 DC power leads, 350W, -48V power input

PWR12-350-8L

Power Chassis, 8 DC power leads, 350W, AC power input

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