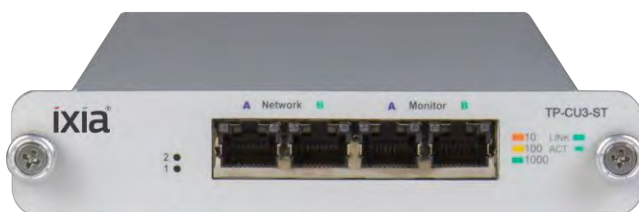


# IXIA COPPER TAPS

## 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 three models of copper taps:

- TP-CU3-ST, copper 10/100/1G
- TP-CU3-ZD, copper 10/100/1G Gig Zero Delay™
- TP-CU3-ZD-DC, copper 10/100/1G Gig Zero Delay™ -48V power

TP-CU3-ZD and TP-CU3-ZD-DC, Ixia's Zero Delay taps, include our trademark Gig Zero Delay™ feature which guarantees zero packet loss on the network link, should the tap lose power. An internal battery ensures 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

- Passes all network traffic, including errors, to the monitoring tools
- Permanent inline installation that does not affect network performance
- Isolated from external attacks (no IP address)
- Link fault detect prevents undetected network link failures
- Front panel LED shows power, speed, link, and activity
- Rear panel DIP switches for configuring duplexing, auto-negotiation, and speed settings
- Passes all Power over Ethernet (PoE)
- Zero Delay™ technology ensures no packet or link loss if the tap loses power
- Zero Delay™ provides up to 5 hours of backup battery power
- TP-CU3-ZD available in AC and DC (-48V) models
- Optional 19-inch rack frames hold up to 3 (1U) or 12 (4U) taps
- Optional Ixia Power Chassis (PWR12-350-8L) can power up to 8 copper Taps

SPECIFICATIONS	
<b>Operating</b>	<p>Operating:</p> <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> <p>Non-Operating:</p> <ul style="list-style-type: none"> <li>Non-Operating Storage Temperature: -10°C to 70°C</li> <li>Relative Humidity: 10% min, 95% max, non-condensing</li> </ul>
<b>Connectors</b>	<ul style="list-style-type: none"> <li>Monitoring Ports: (2) RJ45, 8-pin connectors</li> <li>Network Ports: (2) RJ45, 8-pin connectors</li> </ul>
<b>Mechanical</b>	<ul style="list-style-type: none"> <li>Dimensions: 1.1" high x 9.9" deep x 5.55" wide</li> <li>TP-CU3-ZD Weight: 1.79lbs (0.81kg)</li> <li>TP-CU3-ST Weight: 1.049lbs (.476kg)</li> <li>RK-3V2 Weight: 0.44lbs (0.2kg)</li> <li>RK-12V2 Weight: 1.54lbs (0.7kg)</li> </ul>
<b>Electrical</b>	<ul style="list-style-type: none"> <li>Passes All Power over Ethernet (PoE) applications</li> <li>Power Consumption TP-CU3-ST: 3W typical, 5W max</li> <li>Power Consumption TP-CU3-ZD: 8W typical, 30W max</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>AC Power Input: 100-240VAC, 47-63Hz, 0.3A@120VAC</li> <li>DC Power Input: -36VDC to -75VDC, 0.75A @ 48VDC Typical</li> <li>Output: 3.3A @ 12VDC</li> <li>Works with the PWR12-350-8L Power Chassis, powering up to 8 Taps with redundant power connections</li> </ul>
<b>Zero Delay Battery Power on Gig Zero Delay Taps</b>	<ul style="list-style-type: none"> <li>Up to 5 hours of battery power</li> <li>Recharges during normal operation</li> </ul>
<b>Latency (net-to-net, net-to-monitor, all packet sizes)</b>	<ul style="list-style-type: none"> <li>0.75µsec@1000Mbps</li> <li>1.4µsec@100Mbps</li> <li>10µsec@10Mbps</li> </ul>
<b>Certifications</b>	<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

**TP-CU3-ST**

Tap, Copper, 10/100/1G

**TP-CU3-ZD**

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

**TP-CU3-ZD-DC**

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

**RK-3V2**

Three Slot Rack Mount Frame Weight 0.44lbs (0.2kg)

**RK-12V2**

Twelve Slot Rack Mount Frame Weight 1.54lbs (0.70kg)

**RK-3V2-BPL**

Ixia Rack Mount Panel, Blank Fill Plate. (955-8018). Use up to 3 per RK-3V2. Up to 12 per RK-12V2

**PWR12-350-8L**

Power Chassis, 16 single/8 dual DC power leads. For use with TP-CU3-ST, TP-CU3-ZD, or I3BP-CU3

Learn more at: [www.ixiacom.com](http://www.ixiacom.com)

For more information on Ixia products, applications, or services,  
please contact your local Ixia or Keysight Technologies office.

The complete list is available at: [www.ixiacom.com/contact/info](http://www.ixiacom.com/contact/info)