

# Gig Zero Delay Tap

The Gig Zero Delay Tap is the industry's only 10/100/1000BaseT Tap with true Zero Delay operation. Using innovative new technology, this Tap guarantees absolutely zero packet loss on the network link even during power outages. With the Gig Zero Delay Tap, power glitches and failures no longer mean dropped packets and lengthy renegotiation sequences. Your network operates more smoothly and your critical business applications remain responsive with the Gig Zero Delay Tap in your monitoring infrastructure.

Get total traffic visibility for 10/100/1000 monitoring and security devices by deploying Net Optics Gig Zero Delay Taps on critical network links as permanent monitoring access ports. The Gig Zero Delay Tap sends copies of traffic moving in each direction on the link to a separate NIC on the monitoring device for comprehensive full-duplex monitoring. The Tap has no IP address, so monitoring devices are isolated from the network, dramatically reducing their exposure to attacks. The monitoring device connected to the Tap sees all full-duplex traffic as if it were in-line, including Layer 1 and Layer 2 errors.

## Passive, Secure Technology

- Unique Zero Delay technology ensures no packet delay or loss if power is lost to the Tap
- Permanent in-line installation without affecting network performance
- Link Fault Detect prevents undetected link failures
- Passes all full-duplex traffic, including errors, from all layers for comprehensive troubleshooting
- No IP address is needed for the Tap or monitoring device, enhancing monitoring security
- Redundant power ensures monitoring uptime

## Ease of Use

- LED indicators show redundant power, speed, link, and activity
- DIP switches select duplexing and auto-negotiation or fixed speed settings
- Network and monitoring cables included with unit
- Front-mounted connectors make installation and operation quick and easy
- Optional 19-inch rack frames hold up to 3 (1U) or 12 (4U) Taps
- Compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems

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## Technical Specifications:

### Operating:

**Operating Temperature:** 0°C to 40°C

**Storage Temperature:** -10°C to 45°C

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

### Mechanical:

**Dimensions:** 1.125" high x 9.9" deep x 5.5" wide

### Power:

**Consumption:** 8W typical, 30W max

**Power Supply:**

AC Power Input: 100-240VAC, 0.5A, 47-63Hz

DC Power Input: -48VDC 1A typical, -36VDC min, -75VDC max

Output: 12V, 3A

### Cable Interface:

**Copper Cable Type:** CAT5e

**Link Distance Supported:** 100 meters

### Connectors:

**Monitoring Ports:** (2) RJ45, 8-pin connectors

**Network Ports:** (2) RJ45, 8-pin connectors

### Latency (net-to-net, net-to-mon, all packet sizes):

0.75µsec@1000Mbps, 1.4µsec@100Mbps, 10µsec@10Mbps

### Zero Delay:

No packet or link loss during power up or power down

### Certifications:

Fully RoHS compliant

Fully IEEE 802.3 compliant

Part Number	Description
TP-CU3-ZD	10/100/1000BaseT Tap
TP-CU3-ZD-DC	10/100/1000BaseT Tap -48VDC
RK-12V2	Twelve Slot Rack Mount Frame
RK-3V2	Three Slot Rack Mount Frame

All products include a 1 year manufacturer's warranty. An additional 1 to 4 years extended warranty may also be purchased.

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