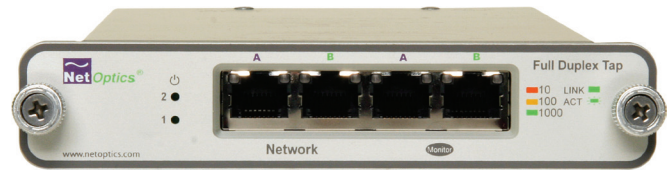




10/100/1000BaseT Tap



Get total traffic visibility for 10/100/1000 monitoring and security devices by placing Net Optics 10/100/1000BaseT Taps on critical network links. 10/100/1000BaseT Taps support passive monitoring of 10/100/1000 links at 10, 100, or 1000 Mbps. This Tap is ideal when a passive Tap is required for use with a variety of copper monitoring tools.

For superior reliability, the 10/100/1000BaseT Tap features Link Fault Detect (LFD), which gives the devices connected to the Tap critical information about link status. If either side of the bi-directional link fails, the Tap immediately communicates the fault to both devices, reducing the time required to activate a redundant path.

Full-duplex monitoring is a snap when each side of the signal is sent to a separate NIC on the monitoring tools. All network and monitoring cables necessary for plug-and-play deployment are included with the Tap. Without an IP address, monitoring devices are isolated from the network, dramatically reducing their exposure to attacks. However, the monitoring device connected to the Tap still sees all full-duplex traffic as if it were in-line, including Layer 1 and Layer 2 errors.

For extra uptime protection, Net Optics 10/100/1000BaseT Taps offer redundant power connections. Should the primary power source fail, the Tap automatically switches to the backup power source. All network and monitoring cables necessary for plug-and-play deployment are included.

Passive, Secure Technology

- Provides passive access at 10/100/1000 Mbps speeds without data stream interference or introducing a point of failure
- 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 data status
- DIP switches select auto-negotiation of fixed speed and duplexing settings for the Tap
- Front-mounted connectors make installation and operation quick and easy
- Optional 19-inch rack frames hold up to 3 or 12 Taps
- Compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems

Technical Specifications:

Operating:

Operating Temperature: 0°C to 40°C

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

Non-Operating:

Storage Temperature: -20°C to 70°C

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

Mechanical:

Dimensions: 1.1" high x 6.4" deep x 5.55" wide

Electrical:

Fully compatible with Power over Ethernet (PoE) applications

Power Consumption: 8W typical, 10W maximum

Redundant Power Supplies:

Input: 100-240VAC, 0.2A, 47-63Hz

Output: 12VDC, 1.5A

DC Power Input: -36 VDC to -72 VDC, 0.4A, -48 VDC typical

Cable Interface:

Copper Cable Type:

22-24 AWG unshielded twisted pair cable, CAT5e

Link Distance Supported: 100 meters

Connectors:

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

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

Certifications:

Safety: UL 60950, cUL 60950, CE, CB

Emissions and Immunity: FCC, EN, ICES - 003 Class A

Environmental: RoHS, WEEE, Fully IEEE 802.3 compliant

Part Number	Description
TP-CU3	10/100/1000BaseT Tap
TP-CU3-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 or 2 year extended warranty may also be purchased.

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