



INCREASE OBSERVER'S FUNCTIONALITY WITH NETWORK INSTRUMENTS' OPTICAL TAPs



Optical TAPs allow you to connect and disconnect your analyzer as needed without breaking the gigabit signal.

Network Instruments' optical TAPs are designed as a passive splitter of any gigabit SX/LX optical signal. Once split, one signal is returned to the network, the and an identical signal is simultaneously streamed to the Observer analyzer in real-time. The analyzer can then be connected and disconnected without any interruption of the gigabit network.



TAPs can be inserted into gigabit Ethernet segments dynamically and give you a complete view of all network traffic, including physical errors on multiple, full-duplex links. To TAP multiple networks, add one of the multi-channel TAP options.

In-line TAPs are available with options for 1, 2, 4 and 6 channels. Each channel provides three ports - an in (DTE), out (DCE), and analyzer device connections. The "in" connection comes from the device or network under test, the "out" goes back out to the device's target hub, switch or router. The Observer analyzer connects to the "analyzer" TAP.

Single Channel TAP – offers 1 in (DTE), 1 out (DCE) and 1 Analyzer port.

Rack-mount High Density (multi-channel) TAPs – each 19" 1U rack-mountable TAP offer 2, 4 or 6 gigabit channels. Each channel includes 1 in (DTE), 1 out (DCE) and one analyzer port.

TAP Cable Kit

TAP cable kits include two optical cables – one analyzer cable connecting a TAP channel to the gigabit analyzer, and one straight-through cable to return the gigabit signal to the network. One cable kit required for each channel monitored.

TAP Mount

TAP mounts allow the Single Channel TAPs to be mounted in a standard 19" rack. Each TAP mount can accommodate up to three single channel TAPs in a 1U format.



Single Channel Splitter

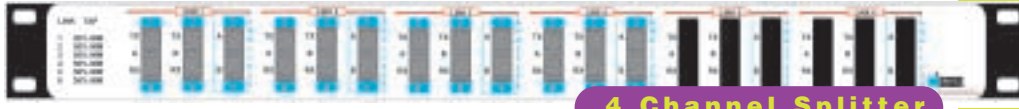


OPTICAL TAPs

- **View all traffic** on multiple full-duplex segments
- **Convenient in-line connection** minimizes downtime when inserting and removing the analyzer
- **Completely passive** and non-invasive
- **Does not use any of the switch's CPU resources** in switched environments
- **Cannot drop packets**, unlike the port spanning mechanism on a switch
- **Available in single or multi-channels**
- **So cost-effective** you can leave them permanently installed



2 Channel Splitter



4 Channel Splitter



6 Channel Splitter



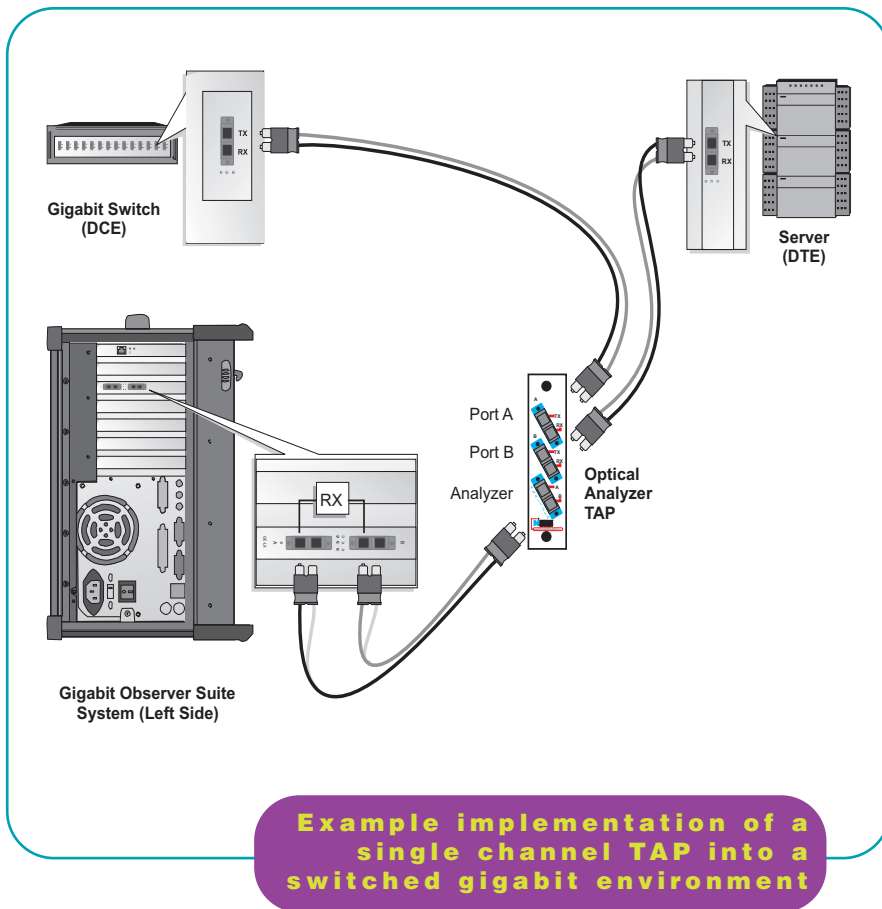
Single Channel Splitter Rack Mount

How an Optical TAP Works

The TAP uses prisms to split the optical signals from a full duplex gigabit connection (SX or LX) between the gigabit network and a device of interest.

This allows an analyzer to receive an exact copy of the data stream that is flowing on the wire, while in no way affecting that data stream.

Note: Each TAP has a maximum attenuation of 4.4 dB per channel, with an average attenuation under 4.0 dB.



Optical TAPs are available from:

Corporate Headquarters:
Network Instruments, LLC
Fourth Floor
8800 West Highway Seven
Minneapolis, MN 55426 USA
(800) 526-7919 Toll Free
(952) 932-9899 Voice
(952) 932-9545 FAX

European Office:
Network Instruments Ltd.
Brewery House
Black Eagle Close
Westerham TN16 1RG
UNITED KINGDOM
+44 (0) 1959 569880 Voice
+44 (0) 1959 569881 FAX

info@networkinstruments.com

www.NETWORKINSTRUMENTS.com