



Single Port 10/100/1000 BaseT Tap



Stand Alone, Portable Model



Rack Mount Model

CUSTOMER SUPPORT INFORMATION

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About Us

COMCRAFT is the leading manufacturer of professional LAN & WAN Monitor Equipment.

Our products are of highest quality, better featured and build with latest technology.

The confidence placed in our products is the reward for many years listening to our customer's needs and expectations, improving technology and service, and offering an ever-expanding product line.

Founded in 1984 COMCRAFT is headquartered in Strasbourg, FRANCE and present in the worldwide market through leading partners and reseller networks.

COMCRAFT offers a complete range of:

- ◆ **Fiber Optic Taps**
 - Single Port Rack Mount/Portable
 - Dual Port Rack Mount
 - Quad Port Rack Mount
- ◆ **Copper Taps**
 - Single Port Rack Mount/Portable
 - High Density 4 to 20 ports Rack Mount
 - Re-generation Rack Mount
- ◆ **Wan Taps**
 - T1/E1 Rack Mount/Portable
 - E3/DS3 Rack Mount/Portable
 - Serial sync. «RS422/X21» Rack Mount/Portable
 - HSSI/T3 Rack Mount/Portable

COMCRAFT objective is to become your premier solution provider, offering you the best product support and manufacturing products with the latest network technology.

This Package includes :

- ◆ 1x 1GTX Main Unit
- ◆ 1x Power adapter 12V-2Amp
- ◆ 1x Power cord
- ◆ 1x Pouch for carrying (Portable version only)

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1GTX-SA



1GTX-RM

1. General Information.

The 1GTX tap avoids downtime in your 10/100/1000Base-T networks. Once in place it allows you to monitor full and half duplex communication and move test equipment without breaking the circuit. It mirrors any packet size, bad CRC, VLAN traffic, sees both ends of full-duplex links.

It is a single port 10/100/1000Base-T Tap for half/full duplex Ethernet networks. The "no package loss" and redundant power feature makes it ideal for security applications.

The 1GTX tap has no IP address and is invisible to the network. It is fault tolerant, bypasses data on power failure, the monitor ports are none-intrusive to the network.

2. Functional description

2.1 Interface connectors

The 1GTX Tap has 4 RJ45 ports. Network ports A and B are connected to the network, Monitor ports A and B are connected to the analyzer.

2.2 Activity/Link

Four LEDs indicate Activity and Link for each of the four ports. Link LED lights up when a link is detected at the port. Activity LED blinks when a signal is detected on one of the ports.

2.3 Speed LEDs

Two LEDs indicate mutual speed at 10/100/1000Mbps.

2.4 Link redundancy

The disconnection of one network port will disconnect all ports until the next connection of the two network ports.

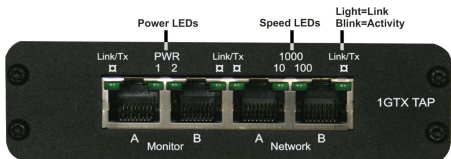
2.5 Power

The 1GTX tap is redundant powered from the back. The external power can be chained as each power has two sockets. Using redundant powering guarantees a maximum up-time off the monitor ports. Two LEDs show the presence of power.

2.6 Power Failure

The uninterrupted link in the network guarantees permanent network connectivity, also when power fails. No data is passed to the TAP ports at power failure. Network ports A and B are hardware wired together when the Tap is not powered.

3. Installation



1. Power both network devices, **do NOT** power the TAP

Note: A powered TAP will always correct a wrong cable setup.

Connect the network using category 5e UTP cables.

a. If the two (2) network devices are of DTE and DCE type, use two (2) straight cables.

b. If the two (2) network devices are of the same type (2*DTE or 2*DCE) use one straight and one cross-over cable.

* The connected network devices show LINK (or Activity). If there is no LINK, change one of the cables by an opposite type.

2. When two devices are connected on the network ports, the two speed LEDs blink simultaneously to indicate the negotiation of the highest mutual Speed. When the connection is establish, the Speed LEDs indicates the network speed:

- ◆ the left LED light for a 10Mb connection.
- ◆ the right LED light for a 100Mb connection.
- ◆ both LEDs light for a Gb connection.

If no mutual speed is detected, the two LEDs blink alternatively.

* Network activity is shown on the Activity LEDs of NetworkA and NetworkB.

3. Connect the two Monitor Ports to the analyzer using straight or cross-over CAT5e cables.

The Monitor Ports are at the speed of the network ports.

The Monitor Ports Link LEDs light when link is found.

* Activity received into NetworkA and NetworkB will be mirrored on the respective Monitor Ports and blink the ACTIVITY LEDs.

4. Additional information.

Connectors	4 x RJ45, 8 pin
Power	12V stabilized / 1A
Dimensions:	30x113x130mm (Portable version) 30x141x130mm (Rack mount version)
Operation	0 to 50 °C
Storage Temperature	-22 to 70 °C
Relative Humidity	10 to 90%, no condensing
MTBF@40°C	450 000 hours
Compliance	CE, FCC class A RoHS compliant

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