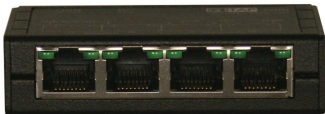




Mini 100UTP Tap



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**

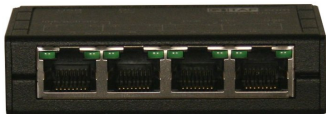
Single Port	Rack Mount/Portable
High Density 4 to 20 ports	Rack Mount
Re-generation	Rack Mount

◆ **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.

Index	pages
1. General Information	3
2. Functional Description	4
2.1. Interface connectors	4
2.2. Activity/Link	4
2.3. Power over Ethernet (802.3af)	4
2.4. Power	4
2.5. Power Failure	5
3. Installation	5
4. Additional information	7



1. General Information.

The MINI 100UTP tap avoids downtime in your 10/100BaseT networks. Once in place it enables you to monitor full and half duplex. It mirrors any packet size, bad CRC, VLAN traffic, sees both ends of full-duplex links.

It is a single port 10BaseT/100BaseTX Tap for half/full duplex Ethernet networks.

The MINI 100UTP tap is invisible to the network and forwards IEEE 802.3af power (PoE) between the connected network devices. It is fault tolerant, bypasses data on power failure, the monitor (TAP) ports are none-intrusive to the network.



Back side

2. Functional description

2.1 Interface connectors

It has 4 RJ45 ports, port A and B are connected to the network, TAP ports A and B are connected to the analyzer. Network ports A and B are hardware wired together.

2.2 Activity/Link

Two LEDs indicate Activity in 10Mb and Link in 100Mb speed. Activity LED A lights up when a signal is received at port A, LED B for a signal received at port B. The brightness of the Activity LED show signal strength.

2.3 Power over Ethernet (802.3af)

The unit is 802.3af compliant and forward PoE in the Network. The tap ports are galvanically separated from the network ports and in such way protecting your monitoring equipment. At least 10 volt is needed for the PoE LEDs to light. PoE LED 1 shows power between pairs 1/2 and 3/6. PoE LED 2 shows power between pairs 4/5 and 7/8.

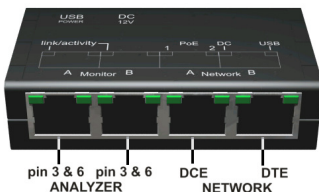
2.4 Power

The MINI 100UTP tap is redundant powered from the back. Two LEDs show the presence of USB power or DC adapter power.

2.5 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.

3. Installation



a. Power the unit using the 12V PSU or the USB cable, the Power LED lights

b. Connect it into the network using Category 5 UTP cables.

Network Port A : to DCE by straight Cable / to DTE by cross-over cable.
 Network Port B : to DTE by straight Cable / to DCE by cross-over cable.
 TAP port A and B : to analyzer through straight cables (pins 3/6 active).
 The maximum distance between any of the connected devices is 90mtr.

TAP port A mirrors data received in Port A, TAP port B mirrors data received in Port B.

4. Additional information

Connectors	4 x RJ45, 8 pin
Power	12V stabilized / 100mA
Latency	Less than 1 bit at 100Mbps
Dimensions:	1,8 x 4,6 x 9,0 cm
Operation	0 to 50 °C
Storage Temperature	-22 to 70 °C
Relative Humidity	10 to 90%, no condensing
Compliance	CE, FCC class A

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