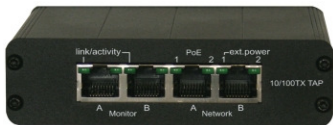




Single Port 10/100UTP Tap



CUSTOMER SUPPORT INFORMATION

To order or for a technical information support:

Phone: +33 3 88 10 18 30 or

Fax: +33 3 88 10 18 35

Mail order: COMCRAFT

2, rue de la Mairie

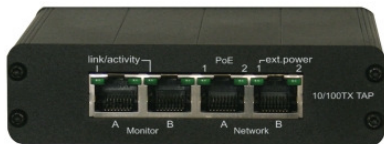
67203 Oberschaefolsheim - France

Website: www.lan-wan-tap.com

E-mail: info@lan-wan-tap.com

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. Rack modules	6
5. Additional information	7

100UTP Portable



Portable model

1. General Information.

The 100UTP tap avoids downtime in your 10/100BaseT networks. Once in place it enables 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 10BaseT/100BaseTX Tap for half/full duplex Ethernet networks. The “no package loss” and redundant power feature makes it ideal for security applications.

The 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.

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.

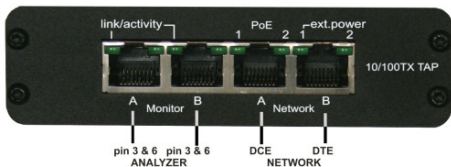
2.4 Power

The 100UTP tap is redundant powered from the back. The external power can be chained as each power has 2 input sockets. Using redundant powering guarantees a maximum uptime off the tap/monitor ports. Two LEDs show the presence of power.

2.5 Power Failure

The uninterrupted link in the network guarantees permanent network connectivity, also when power fails. Redundant powering guarantees maximum uptime of the monitor ports. No data is passed to the TAP ports at power failure.

3. Installation



- Power the unit using the 12V PSU, the Power LED lights
- 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. Rack modules.

RM-100UTP



Rack mount model

The 100UTP rack modules are designed to fit, together with rack mount plates, in 19 inch rack Systems. The 100UTP rack modules do not include one AC adapter as several units can be Power chained. The Rack modules plug easily in the rack mount plates.



Rack mounted

5. Additional information.

Connectors	4 x RJ45, 8 pin
Power	12V stabilized / 100mA
Latency	Less than 1 bit at 100Mbps
Dimensions:	30 x 85 x 110mm (1.2 x 3.2 x 4.4 inch)
Operation	0 to 50 °C
Storage Temperature	-22 to 70 °C
Relative Humidity	10 to 90%, no condensing
Compliance	CE, FCC class A

Disclaimer

The information in this document is subject to change without notice. The manufacturer makes no representations or warranties with respect to the contents hereof and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. The manufacturer reserves the right to revise this publication and to make changes in the content hereof without obligation of the manufacturer to notify any person of such revision or changes.

Warranty and Liability

Comcraft warrants that this product is free from defects in material and workmanship at time of shipment. The warranty period is three years from the date of purchase. Comcraft assumes no liability for products that have been subjected to abuse, modification, misuse, or if the model or serial number has been altered, tampered with, defaced or removed. Comcraft is not liable under any contract, negligence, strict liability or other legal or equitable theory for any loss of use of the product, inconvenience or damages of any character, whether direct, special, incidental or consequential (including, but not limited to, damages for loss of goodwill, loss of revenue or profit, work stoppage or malfunction)

Copyright

This publication, including all photographs and illustrations, is protected under international copyright laws, with all rights reserved. Neither this manual, nor any of the material contained herein, may be reproduced without written consent of the author

Trademarks

The trademarks mentioned in this manual are the sole property of their owners.

Rev 3.1

©2007, Comcraft



COMCRAFT
2, rue de la Mairie
67203 Oberschaeffolsheim
France



+33 3 88 10 18 30



+33 3 88 10 18 35



www.lan-wan-tap.com