



# HDX series High Density 8/12/16/20 100UTP Tap



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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.

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### **HD20-100UTP**

## **1. General Information.**

The HDX-100UTP tap is designed for Half/Full duplex 802.3 Ethernet Networks. The no package loss and redundant power feature makes it the ideal solution for security networks.

The tap is invisible and none-intrusive to the network. It has no IP address and mirrors all traffic including Layer 1 and Layer 2 errors to the monitor ports.

It is redundant powered to guarantee maximum monitoring uptime. If one power fails the secondary power will automatically replace its function without causing any interruption in the network traffic. The permanent link feature in the network guarantees permanent network connectivity also when power fails.

The HDX—100UTP tap passes 10 or 100 Mbps traffic and PoE (802.3af) without interference. No active components are used in the network link, it does not introduce a point of failure.

## **2. Functional description**

### **2.1 Introduction**

The HDX 100UTP tap is a multiple structure with the tap ports on the front and the network ports on the backside of the unit. Network Ports A and B are connected in the network, Tap Ports A and B are connected to monitor device A respective B.

### **2.2 Security**

The tap is 802.3 compliant and none-intrusive to the network. Network ports A and B are hardwired together and the tap does not introduce a point of failure in the network.

It has no IP address and is invisible to the network. It does not interfere in auto negotiation, speed and duplex settings.

### **2.3 Power**

The HDX-100UTP tap can be redundant powered. Using the redundant power feature guarantees a maximum uptime off the monitor ports. The second power will automatically take over the function of the first when it disappears. Two (2) LEDs show the presence of power. The tap is fully functional using only one power.

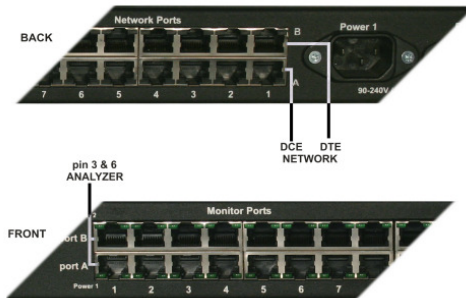
### **2.4 Power Failure**

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.

### **2.5 Power over Ethernet**

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 from PoE.

### 3. Installation



#### Power:

1. Connect power 1 (input) to mains power 1. Power LED 1 will light.
2. Connect power 2 to mains power 2 (if available). LED 2 will light.\*

\* The tap works on one power but no power backup will be obtained.

#### Cable Configuration:

Network port A: to DCE by a Straight Cable / to DTE by a Cross-Over Cable

Network port B: to DTE by a Straight Cable / to DCE by a Cross-Over Cable

Tap Port A: to Monitor Device A by a Straight Cable

Tap Port B: to Monitor Device B by a Straight Cable

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

Note: The maximum length between any of the connected devices should not exceed 95mtr.

Cable requirements: 22-24 AWG unshielded twisted pair, CAT 5E or better.

Connectors	RJ45, 8 pin structure
Power	90-240V, 50-60Hz, 20W
Dimensions:	45 x 140 x 445mm (1.8 x 5.5 x 17.5 inch)
Operation	0 to 50 °C
Storage Temperature	-22 to 70 °C
Relative Humidity	10 to 90%, no condensing
Compliance	IEEE 802.3, IEEE 802.3af, CE, FCC class A
Warrantee:	3 years*

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