



Quad Port 100UTP Tap



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Quad Port -100UTP



1. General Information.

The QuadPort-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 4x10BaseT/100BaseTX Tap for half/full duplex Ethernet networks. The “no package loss” and redundant power feature makes it ideal for security applications.

The HD-100UTP taps are 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 is a 4x single Tap structure with the Tap ports on the front and the Network ports on the back side of the unit. Ports 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

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.

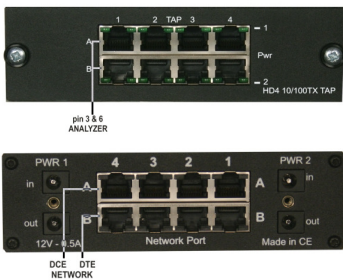
2.4 Power

The HD-100UTP tap is redundant powered from the back. The external power can be chained as each power has 2 input sockets. Using the redundant power feature 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



Installation procedure for one Tap:

- a. Power the unit using the 12V PSU, 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 maxi 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.

Quad Port-100UTP



Rack mounted

The HD-100UTP rack modules are designed to fit, together with rack mount plates, in 19 inch rack Systems. The HD-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.

5. Additional information.

Connectors	2x 8-RJ45, 8 pin structure
Power	12V stabilized / 400mA
Dimensions:	40 x 160 x 140mm (1.6 x 6.3 x 5.5 inch)
Operation	0 to 40 °C (32 to 105 °F)
Storage Temperature	-22 to 70 °C (0 to 160 °F)
Relative Humidity	10 to 90%, no condensing
Compliance	CE, FCC class A

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