



Re-Generation 100UTP Tap



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RG-100UTP



1. General Information.

The 10/100UTP Re-generation Tap allow monitoring of one single network link by 4 devices simultaneously. It works in any IDS, Protocol or other half/full-duplex, monitoring application.

The “no package loss” feature and redundant powering make it the ideal solution for security applications. Transparent to the network, it shows traffic in real time at maximum network speed. It copies all 7 layers, any package size, bad CRC, VLAN traffic, etc.

The 10/100UTP Re-generation Tap offers a cost effective solution with unique features like Link/Activity LEDs and compliance with the 802.3af (Power over Ethernet) standard. The uninterrupted network link guarantees 24/7 uptime of your network connection, also when power fails.

2. Functional description

2.1 Interface connectors

It provides 4 full duplex tap ports from a single network link. Network ports A and B are connected to the network, TAP ports A and B are connected to the analyzers. Network ports A and B are hardware wired together to maintain the Network link at power failure.

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.

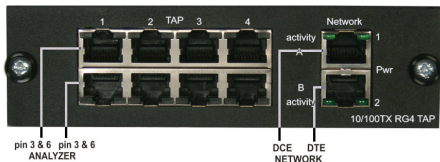
2.4 Power

The RG-100UTP tap is redundant powered from the back of the Tap. 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 ports A mirror data received in Port A, TAP ports B mirror data received in Port B.

4. Rack modules.

RG-100UTP



Rack mounted

Three (3) RG-100UTP modules fit in a 1U rack plate.

5. Additional information.

Connectors	2+8-RJ45, 8 pin structure
Power	12V stabilized / 300mA
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	-30 to 70 °C (0 to 160 °F)
Relative Humidity	10 to 90%, no condensing
Compliance	CE, FCC class A

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