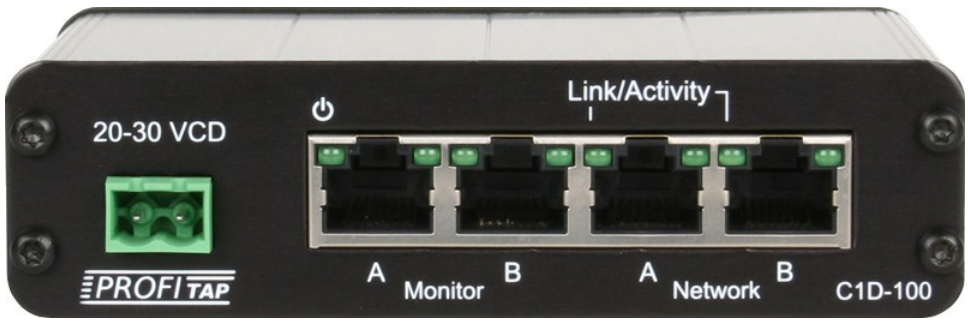
C1D-100
10/100 Industrial TAP



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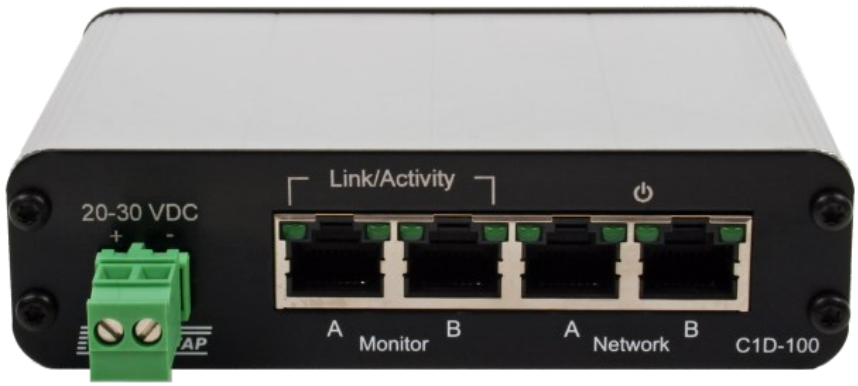


C1D-100

1. General Information

The C1D-100 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 packet loss” feature makes it ideal for security applications.

The C1D-100 tap is invisible to the network. It is fault tolerant, bypasses data on power failure, the monitor (TAP) ports are non-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

The C1D-100 tap is powered from the front. One LED shows the presence of 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.

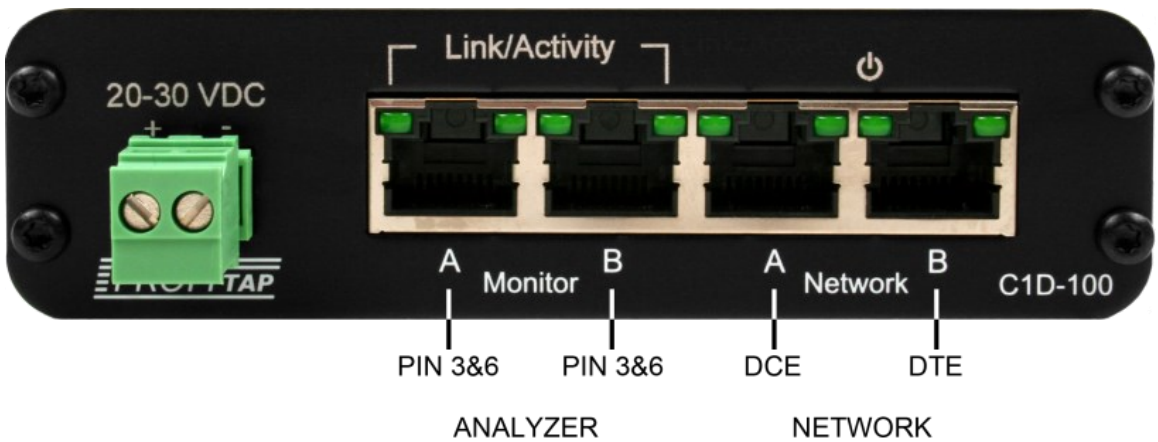
3. Installation

a. Power the unit, 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 90m.

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

4. Additional information

Mechanical Specifications:

Enclosure: Aluminium
Black Front panel

Power: 20-30V stabilized / 50mA
LEDs: 2x Link/Activity, 1x Power
Connectors: 4x RJ45, 8 pin, gold plated

Dimensions:
113 x 88 x 30 mm (WxDxH)

Latency: Less than 1 ns

Environmental Specifications:

Operating Temperature: 0°C to 70°C
Storage Temperature: -40°C to 120°C
Humidity: 10 to 95%, non-condensing

Certifications: RoHS, CE

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