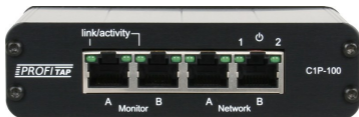


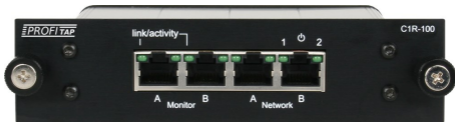
# PROFITAP

## C1-100

### Fast Ethernet Copper TAPs



Portable Model



Rack Mount Model

#### **CUSTOMER SUPPORT INFORMATION**

To order or for technical information support:

Phone: +31 (0) 40 782 0880

Mail order: Profitap HQ B.V.

High Tech Campus 84

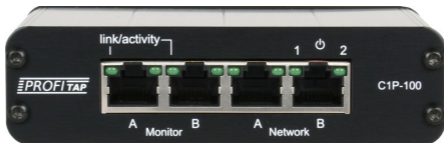
5656AG Eindhoven - The Netherlands

Website: [www.profitap.com](http://www.profitap.com)

E-mail: [info@profitap.com](mailto:info@profitap.com)

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## C1P-100



**Portable model**

### 1. General Information

C1-100 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 package loss” and redundant power feature makes it ideal for security applications.

C1-100 tap is invisible to the network. 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.

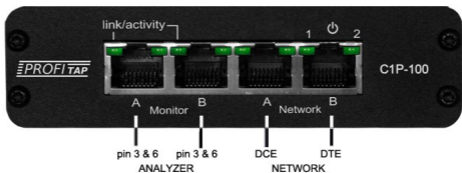
### **2.3 Power**

C1-100 tap is redundant powered from the back. Using redundant powering guarantees a maximum uptime off the tap/monitor ports. Two LEDs show the presence of power.

### **2.4 Power Failure**

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



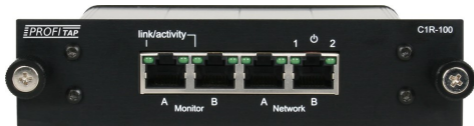
- a. Power the unit using the 12V PSU, the Power LED lights
- b. Connect it into the network using Category 5 UTP cables.

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 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

### C1R-100



**Rack mount model**

The C1-100 rack modules are designed to fit, together with rack mount plates, in 19 inch rack Systems. The C1-100 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

### Mechanical Specifications:

**Enclosure:** Aluminium  
Black Front panel

**Powered by external adapter:** 90-240VAC / 12V-500mA

**Power consumption for one unit:** 12V-100mA

**LEDs:** 4x Link/Activity, 2x Network speed, 2x Power

**Connectors:** 4x RJ45, 8 pin, gold plated

### Dimensions:

**C1P-100:** 110 x 85 x 30 mm (WxDxH)

**C1R-100:** 110 x 85 x 35 mm (WxDxH) Front Panel: 143x35 mm

**Weight:** 200 g

**Latency:** Less than 1 ns

**MTBF:** 450,000 hours

### Environmental Specifications:

**Operating Temperature:** 0°C to 50°C

**Storage Temperature:** -22°C to 70°C

**Humidity:** 10 to 90%, non-condensing

**Certifications:** RoHS, CE, FCC class A

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