

# PROFITAP

## 10/100/1G SPAN Port Replicator



### CS1G-C4G

#### CUSTOMER SUPPORT INFORMATION

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## Copper input version

*The package includes:*

- 1x CS1G-C4G main unit
- 1x Power adapter 12V / 0.5A

### 1. General Information

The 10/100/1000Mbps replicator TAP is a data monitoring equipment aiming to deliver a copy of the Ethernet flow-of-data injected to its unique input toward four(4) identical outputs.

Once connected to a switch, it negotiates for the highest available speed and waits for a device to be connected to an output. It then forwards an exact copy of the traffic toward each output port (only CRC errors are automatically dropped).

## 2. Functional Description

### 2.1 Interface Connectors

It has 5 RJ45 SPAN ports, one input and four outputs. The input should be connected to a monitoring output of a Switch and the output linked to up to four analyzers.

### 2.2 Link

Two LEDS per port indicate Link speed:

- 10Mbps if the left LED only is ON.
- 100Mbps if the right LED only is ON.
- 1000Mbps if both LEDs are ON.

The LK LED is used in the SFP input version of the replicator TAP only.

### 2.3 Visual Information

Two different modes of blinking behaviour are implemented:

*Idle Mode* - a port may be in Idle mode for one of the following reason:

- No connection detected
- Wrong speed between input and output
- Link lost

In this case both LEDs above the concerned port(s) blink slowly.

*Replication Mode* - the TAP enters this mode while properly operating. The LEDS are now fastly blinking and traffic is passing through indicating activity.

Note: since the replicator sends four times the exact copy of coming traffic, it is mandatory that the negotiated speed on the outputs is the same as on the input. That is the reason why the used analyzer must at least be able to reach the same speed as the input.

## **2.4 Injection**

The injection feature is dedicated to users who need to send data from the port OUT1 toward the IN port and consequently to the device connected.

## **2.5 Power**

The TAP offers the redundancy of power feature. It eliminates downtime possibility in case of failure of one of the two power supplies.

To check that the power supplies are properly operating, a visual indication via LED on front of the TAP is available

### **3. Installation**

**a.** Make sure the power supply voltage is not superior to 12V. A higher voltage would damage the device.

**b.** Power the unit, the Power LED lights. Since the TAP is not linked to the network and analyzer yet, speed LEDs are slowly blinking.

**c.** Connect the input and output SPAN ports respectively to the port to be monitored and to up to four analyzer(s) using Category 5e UTP cables.

**d.** Check that the LEDs are fastly blinking during activity. Otherwise it may be that the equipment connected to the input and to the output cannot operate at the same speed.

The TAP is now operating on its replication ability and copied data can then be analyzed via the analyzer connected to each output.

#### 4. Additional Information

Connectors	5 x RJ45, 8 pin gold plated
Power	12V / 0.5A
Dimensions (WxDxH)	14.2 x 12.3 x 3 cm (5.6 x 4.8 x 1.2 in)
Operation	0 to 50 °C
Storage Temperature	-10 to 80°C
Relative Humidity	10 to 90%, non-condensing
Compliance	CE, FCC class A

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