



Dual Port T1/E1 Tap



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DP-T1/E1**Stand alone model****1. General Information.**

The T1/E1 tap avoids downtime in your T1/E1 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 double port T1/E1 Tap for half/full duplex networks. The “no package loss” feature makes it ideal for security applications.

The T1/E1 tap is invisible to the network. It is fault tolerant, bypasses data on power failure, the monitor (TAP) port is none-intrusive to the network.

2. Functional description

The Unit has 4 RJ45 connectors on the front for connecting network devices, each network ports A and B are hardware wired together. One power LED shows the presence of power and four leds indicate activity.

On the back the unit has a DB25 monitor Tap connector which provides a connection to the WAN Monitoring System. One power LED shows the presence of power.

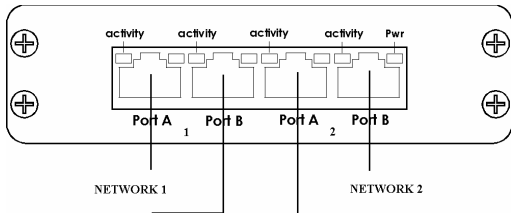
The unit is powered from the back through the DB25 connector. The unit will at power failure automatically bypass data from one Network port to the other. No data is passed to the TAP ports at power failure, the ON LED do not light.

DB25 Connector Pinout:

Pin	Symbol
1	RTIP3
2	RRING3
3	RTIP2
4	RRING2
5	RTIP1
6	RRING1
7	RTIP0
8	RRING0
9	TRING3
10	SER OUT
11	GND
12	SER IN

13	GND
14	PWR
15	PWR
16	GND
17	LOOPBACK H
18	TTIP3
19	TRING2
20	TTIP2
21	TRING1
22	TTIP1
23	TRING0
24	TTIP0
25	VDO PRESENT

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.

RM-100UTP



Rack mount model

The T1/E1 rack modules are designed to fit, together with rack mount plates, in 19 inch rack Systems. The T1/E1 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.

Connectors	4 x RJ45 1xDB25
Power	12V stabilized / 100mA
Latency	Less than 1 bit at 100Mbps
Dimensions:	30 x 85 x 110mm (1.2 x 3.2 x 4.4 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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