



ORION TELECOM NETWORKS INC.

16 x E1/T1 - 120/100 Ohms RJ45 (F) Patch Panel with Hi-Z Monitoring Port

Data Sheet & Product Brochure

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What is it used for?

The 16 x E1/T1 - 120/100 Ohms RJ45 (F) Patch Panel with Hi-Z Monitoring Port is primarily designed for applications where E1/T1 circuits are required to be “patched” as well as simultaneously “tapped” for non-intrusive monitoring applications.

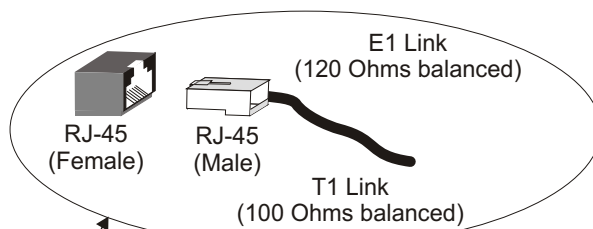
Application - Where is it used?

The 16 x E1/T1 - 120/100 Ohms RJ45 (F) Patch Panel with Hi-Z Monitoring Port is primarily designed to patch up to 16, E1/T1 circuits. It also, simultaneously, provides up to 16 high-impedance (Hi-Z) outputs on it's monitoring (MON) port(s) from which, both the transmit (Tx) and the receive (Rx) signals of the patched E1 link can be “tapped non-intrusively” (i.e without disturbing or loading the active E1/T1 link(s) in any manner, and connected to E1/T1 Groomers, Probes or Analysers.

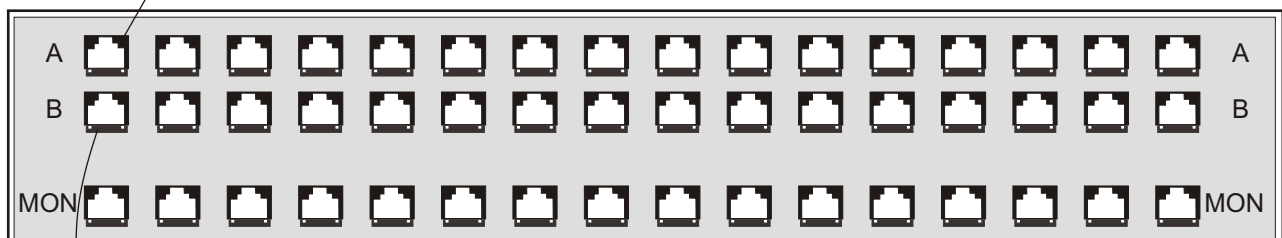
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Used for E1/T1 Patching and Monitoring Application.

Connecting and patching E1/T1 links through the Patch Panel to live E1/T1 traffic:

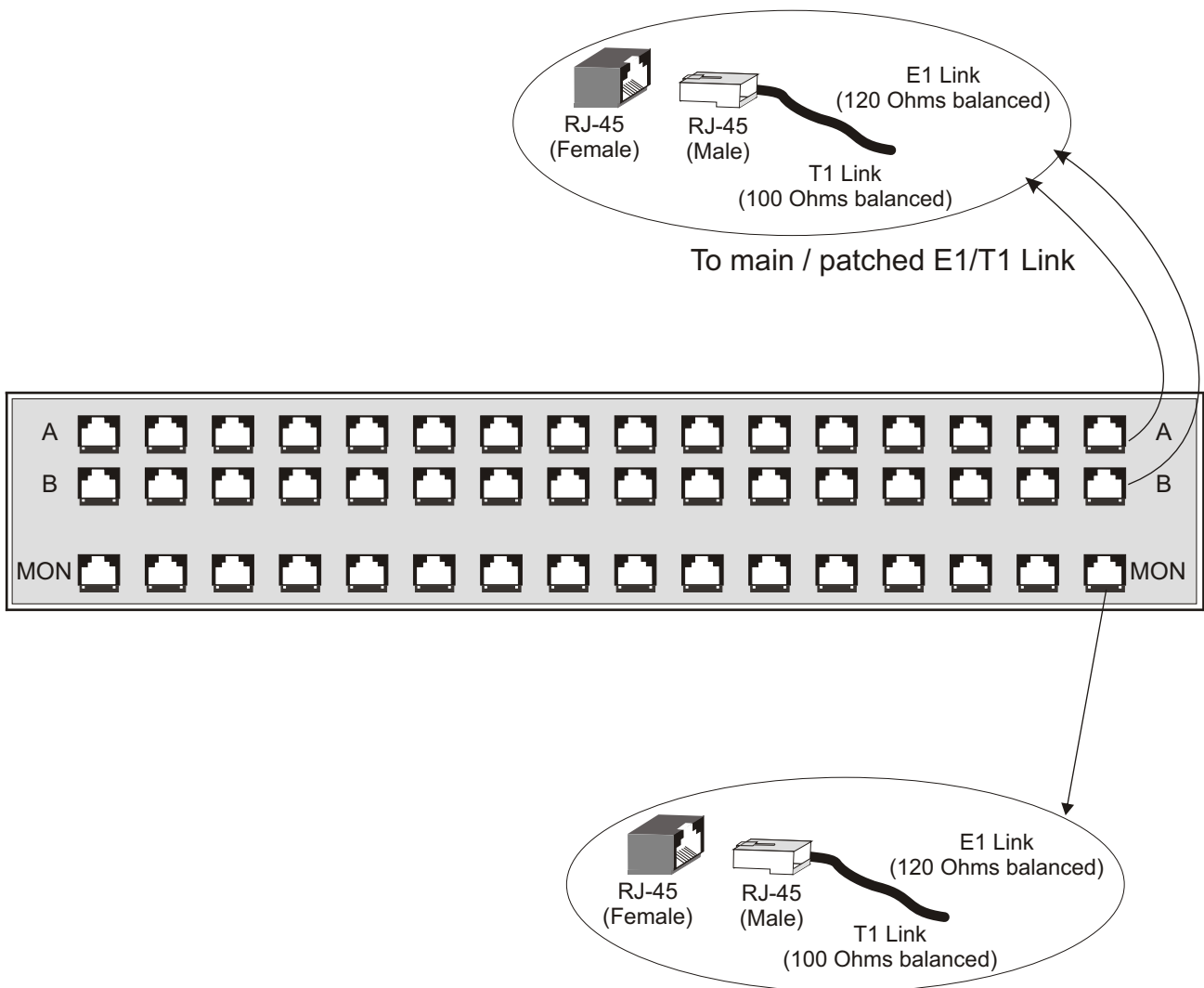


This Port (Port A) connects to the Main E1/T1 link.



This Port (Port B) connects to the Main E1/T1 link. RJ-45 connectors in rows A and B are used for patching the (Data IN / Data OUT) E1/T1 links.

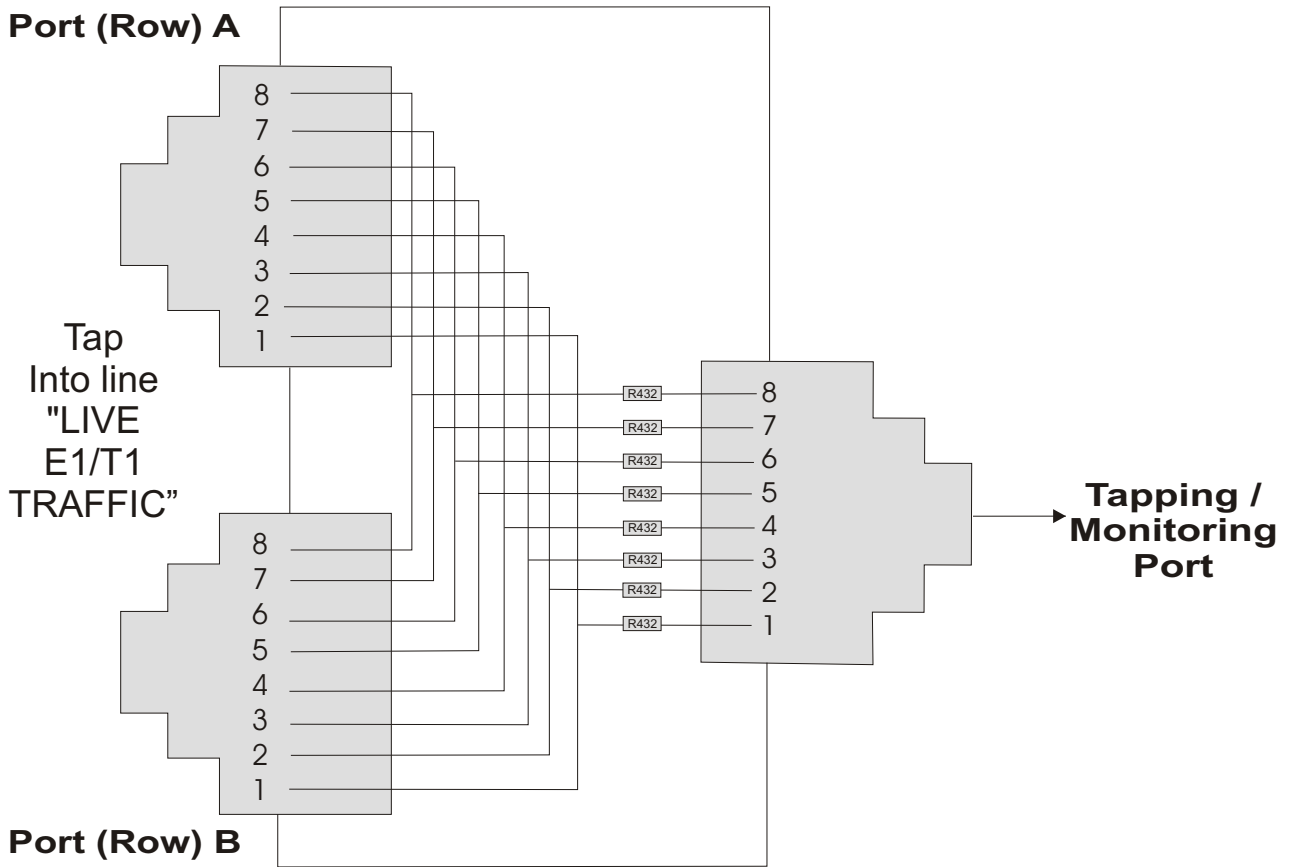
Connecting the “Monitoring” (high impedance) E1/T1 Port on the E1/T1 Monitoring Patch Panel to the E1/T1 Groomer, Probe or Analyser



Monitored E1/T1 Output - high impedance (monitored) signal to the E1/T1 Groomer / Probe.

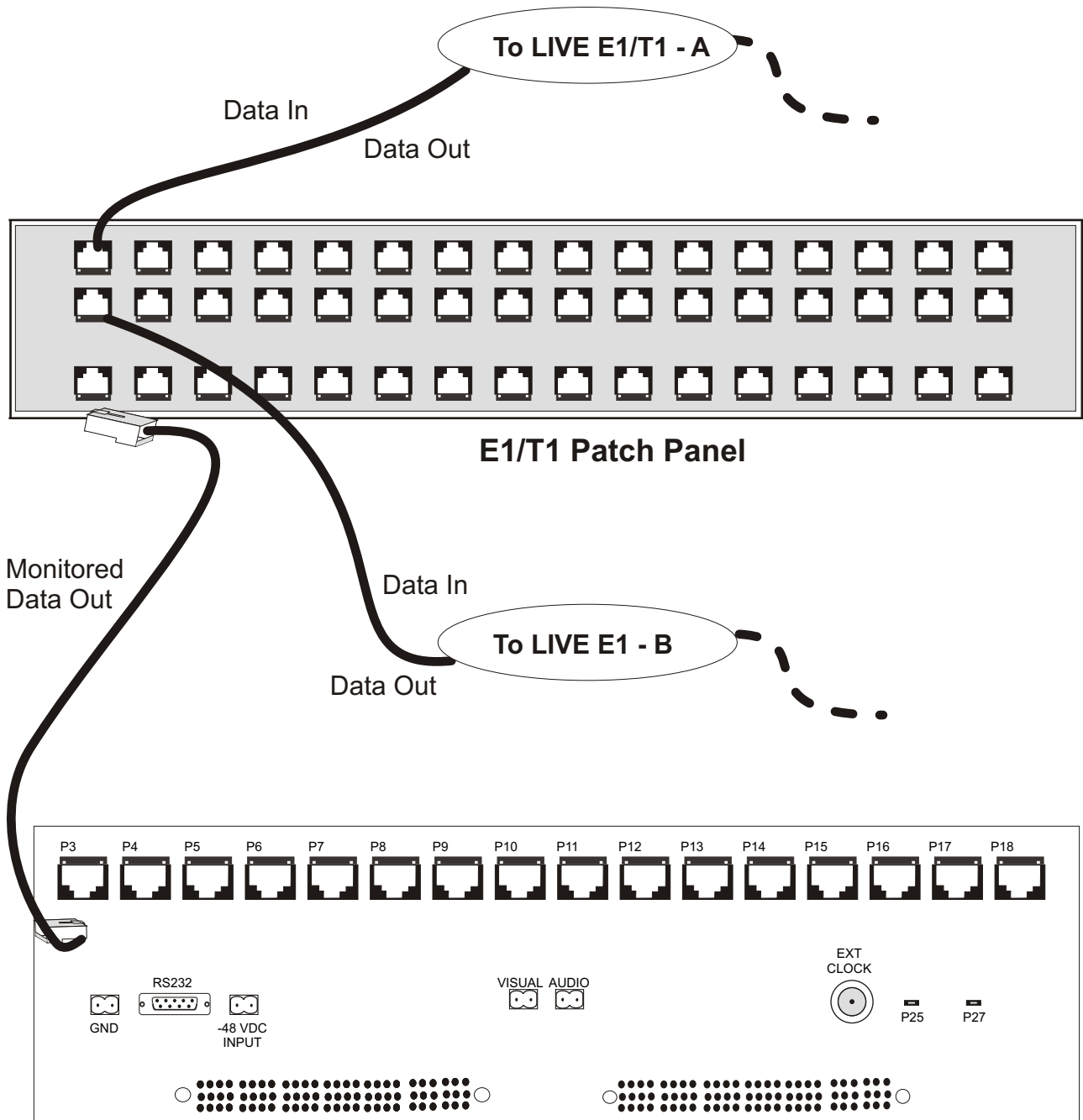
The MON Port (RJ-45 Connectors in the Row marked **MON**) provides the high impedance monitored mirror image of the Main E1/T1 link patched between the RJ-45 connectors on Row A and Row B.

E1/T1 Tapping through Monitoring (MON) Port



The Hi-Z output (432 Ohms) resistive output is provided on the Monitoring (MON) Port of the Patch Panel for connecting to the Groomer / Probe / Analyser.

Typical connections for connecting the Monitoring (MON) to the E1/T1 Groomer



32 Port Monitoring Groomer

Mechanical Specification

Rack Mounting	Standard 19 Inch. DIN Rack
Height	90 mm.
Width	45 mm.
Length	485 mm. (with mounting brackets)
Weight	1.4 kg.

Ordering Information

16 x E1/T1 - 120/100 Ohms RJ45 (F) Patch Panel with Hi-Z Monitoring Port			
S. No.	Part #	Product Description	Qty
1	VCL-1240-MON-120-100-RJ45F-16	16 x E1/T1 - 120/100 Ohms RJ45 (F) Patch Panel with Hi-Z Monitoring Port	1

Technical specifications are subject to changes without notice.
Revision 11 - September 12, 2011

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