

## 21 x E1 (42 Port) Balun Panel



### Description

Provides 75/120 ohm impedance matching between coax networks and twisted pair equipment. The coaxial connectors can be specified as BNC, Type43 (BT) or 1.6/5.6 (Small Siemens). The 2 twisted pair connectors are shielded female 50 way Telco (Amp Champ), one for the transmit and the other for the receive circuits.



Cables are available for connecting to a wide range of equipment.

The Balun Panel only occupies 1U (1.75") rack space in a standard 19" rack, with reversible mounting ears, an optional 23" mounting kit is also available. Designed to meet or exceed CCITT G.703 Specifications for bi-directional signal conversion, at data rates from 2.048 to 8.448Mbit/s.

### Features and Benefits

- Resolves the 75/120 ohm impedance mis-match between twisted pair equipment and coax cabling schemes.
- A cost effective, space efficient, robust, reliable and proven method of impedance matching 75 ohm coax to 120 ohm twisted pair.
- Industry standard BNC, Type43, 1.6/5.6 and Telco Connectors allow convenient and flexible cabling.
- The high density design converts up to 21 x E1 Circuits in only one 19" Rack Unit (1.75" 44mm).
- Designed for E1/T1 applications
- Bi-Directional signal conversion, compliant with CCITT G.703
- No Power Required
- 5 Year Parts and Labour Warranty
- Complete with all necessary rack mount accessories

### Specifications

75 ohm Connections	42 x BNC, 1.6/5.6, or Type43
120 ohm Connections	2 x 50 way Female Telco
Transmission Line	CCITT G.703
Speed	2.048Mbit/s (E1) and 8.448Mbit/s (E2)
Cross Talk	Better than -60dB at 1 to 10Mhz
Insertion Loss	Less than 0.35dB
Return Loss	Better than 35dB
Dimensions	482 W x 55 D x 44.5 mm H (19" x 2.2" x 1.75")
Materials	Case - Zintec, Black Powder Coated
Weight	2Kg
Warranty	5 Years, Parts and Labour
MTBF	Estimated 30 Years
Operating Temperature	0° to 50° C
Power Requirements	None
Harmonisation Code	8544 - 42 - 10

Part Numbers	Description
TKPP.E21.01	42 Port, 21 E1 Circuits, Type43
TKPP.E21.02	42 Port, 21 E1 Circuits, 1.6/5.6
TKPP.E21.03	42 Port, 21 E1 Circuits, BNC