



PRODUCT DESCRIPTION

This breakout panel connects 16 E1/E2 shielded RJ45 ports to a 34 pair cable via an MDR68 socket. A bi-directional device requiring no external power. This product offers the following features:-

- RJ45 access to 34 pair cable
- exceeds G.703 requirements
- mounts in standard 19" rack
- optional designation strips
- RJ45 shielded to MDR68(f)
- >33dB return loss 0.3 to 3MHz
- <0.2dB E1 insertion loss
- zinc sealed, powder coated steel
- RoHS compliant
- gold plated contacts
- single sided cable access
- recessable 40mm to ease cable entry

OPERATING CONDITIONS

Impedance:	120 balanced twisted pair
Bit Rate:	2Mbit/s (E1) and 8Mbit/s (E2) per ITU-T G.703 Line Code
Signal Level:	3V nominal peak-peak voltage per G.703
Working Temperature:	-30°C to 75°C

ELECTRICAL SPECIFICATIONS

Insertion Loss:	<0.10dB from 51kHz to 12.672MHz (2Mbit/s, E1) and (8Mbit/s, E2) in both directions
Return Loss:	Exceeds G.703 by >18dB for 2Mbit/s and 8Mbit/s
Pulse Shape:	Exceeds G.703 requirements for 2Mbit/s and 8Mbit/s
Cross Talk:	>60dB from 51kHz to 10MHz between channels (>55dB for adjacent MDR68 connector contacts)
Isolation Voltage:	>250V DC

MECHANICAL SPECIFICATIONS

RJ45 Connector:	Contacts: Phosphor Bronze, Plated Gold Moulding: PBT Glass Filled, Black Shield: Brass, Plated Sn
MDR68 Connector (SCSI):	Contacts: Phosphor Bronze, Plated Gold Moulding: Thermoplastic, Black Shell: Steel, Plated Ni Housing: Die Cast, Plated Ni
Panel:	Steel, Zinc Sealed and Powder Coated Black

ACCESSORIES

Mounting Brackets:	For ETSI and 23" racks
Cable Management Kits:	For 19", ETSI and 23" racks
Cable Assemblies:	MDR68(m) to MDR68(m) on Shielded 34 pair

