



PRODUCT DESCRIPTION

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

- IDC access to 34 pair cable
- exceeds G.703 requirements
- mounts in standard 19" rack
- long life, high reliability
- IDC to MDR68(f)
- >33dB return loss 0.3 to 3MHz
- <0.2dB E1 insertion loss
- zinc sealed, powder coated steel
- RoHS compliant
- Krone style IDC
- single sided cable access
- recessable 40mm to ease cable entry

OPERATING CONDITIONS

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|----------------------|---|
| 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

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| 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

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|-------------------------|--|
| IDC Connector: | Wire: Conductor Ø 0.4 to 0.63mm, Insulation Ø 0.7 to 1.1mm Contacts: Phosphor Bronze, Plated Tin Moulding: Polycarbonate White Mating Cycles: 50min |
| 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

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|------------------------|--|
| 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 |

