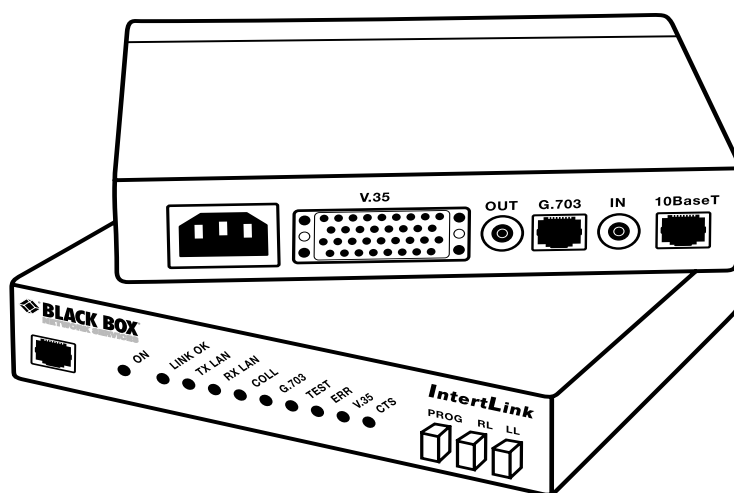


G.703 Interface Converter



Key Features

- ▶ V.35/X.21 - 10Base-T - G.703 interface Converter
- ▶ V.35/X.21 and 10Base-T multiplexer over G.704
- ▶ nx64 rates on V.35/X.21 interface
- ▶ Bridge capabilities on 10Base-T interface
- ▶ Local and remote SNMP Management
- ▶ Transparent and framed format (G.704) in G.703 interface
- ▶ Leds for monitoring
- ▶ Multiplexing capabilities for data coming from V.35/X.21 and 10Base-T into G.704 frame
- ▶ Manual assignment of G. 704 frame time slots mapped on V.35/X.21 and 10Base-T interfaces

Interface converter is a multifunctional device which makes electrical and protocol conversion between data coming from its three digital interfaces V.35/X.21, G.703 and 10Base-T allowing different input/output configurations. V.35/X.21 interface supports nx64 Kb/s rates, G.703 interface supports transparent and framed (G.704) modes and 10Base-T interface comes with bridge capabilities. All the above features give this product an outstanding versatility and use efficiency for many different applications as follows:

As a V.35/X.21 to G.703 interface converter

Router connection through E1 transport systems (E1 networks or microwave links)

As a G.703 to 10Base-T interface converter

WAN connection through E1 transport systems with local traffic filtering (bridging)

As a V.35/X.21 and 10Base-T multiplexer over G.703

Multiplexes data coming from V.35/X.21 and 10Base-T interfaces into a G.704 frame structure. This allows the user to provide different services (LAN, videoconference, routing,...) through an only E1 connection.

The Complete Package

- Basisunit
- Power and Configuration Cable
- Manual
- ULM Software

Specifications

V.35 interface — Rates: 2048 Kb/s, nx64 Kb/s;
Circuits: 103,104,105,106,107,108,109, 113, 114 y 115;
Transmission clock: internal, external and slave;
Connector: 34 pins rectangular (Winchester) (ISO2593) M34

X.21 interface — Rates: 2048 Kb/s, nx64 Kb/s;
Circuits: T(103), R(104), C(105), I(109), S(114);
Transmission clock: internal;
Connector: 15 pins sub-D (ISO4903) desk Top only with an adapter cable: MDSILCAB-X21

G.703 interface — Frame format: Transparent (G.703) and framed (G.704);
Formats G.704: PCM31, PCM31C, PCM30, PCM30C;

Jitter: as per G.823;
Line code: AMI or HDB3;
Rates: 2048 Kb/s ± 50 ppm;
Transmission clock: internal, external and slave;
Connector: Coaxial or RJ-45;
Impedance: 75 ohm or 120 ohm

10Base-T interface — Rate: 10 Mb/s;
Interface: 10 BaseT, IEEE 802.3, normal or Uplink, full or half Duplex
Connector: RJ45;
Hardware bridge capabilities with autolearning of up to 10.000 MAC addresses, Selectable compression for increased efficiency
HDLC Protocol

User's interface — *Leds:*
LINK OK Connection OK on 10Base-T interface
TX LAN Data transmission on 10Base-T interface
RX LAN Data reception on 10Base-T interface
COLL Collision on 10Base-T interface
G.703 Signal detected on G.703 interface
TEST Device under local or remote loop
ERR CRC error detection or LCV (Line Code Violation) on G.703 interface
V.35 Data transmission on V.35 interface

Push buttons:
LL Local analog loop (LAL)
RL Remote digital loop (RDL)
PRBS Random test sequence

Management — *Diagnostics:* Local (LAL) and remote (RDL) loop
Local Management: RS-232 / RS-485 interface (9600 8N1) Connector: RJ-45

Power supply — Internal: 230 VAC, (5/12/24/48 VDC optional);
Power: 4W

Dimensions — 180 x 40 x 150 mm weight: 900 g.

Temperature — 0 ° a 60 °C. (non condensing)

Approvals — CE (EN60950, EN50081-1, EN50082-1)

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Ordering information

| ITEM | CODE |
|-------------------------------|---------------|
| G.703 Interface Converter | |
| Desktop interface converter | .MDSE1-IL |
| X.21 Adaptercable | .MDSILCAB-X21 |
| 19" Rack Chassis, 48VDC x 2 | .MDSE1-RM |
| Redundant 220VAC Power Supply | .MDSE1-RMPS |
| SNMP Management-Card | .MDSTAG-SNMP |
| Converter-Card | .MDSE1-ILC |