

# E800 ISDN MULTIPLEXER

new



## FEATURES & BENEFITS

- > 8 PORTS CROSS-CONNECT AND ISDN SWITCH
- > FOR AGGREGATION OF TDM AND ISDN TRAFFIC
- > DESKTOP OR HIGH-DENSITY RACK-MOUNT VERSION AVAILABLE
- > INTEGRATED MANAGEMENT AGENT
- > ETHERNET INTERFACE WITH INTEGRATED IP ROUTER

> THE TELINDUS E800 COMBINES THE FUNCTIONS OF AN 8-PORT E1 CROSS-CONNECT AND A 8 LINE-PRI BASED ISDN SWITCH IN A COMPACT, ROBUST AND MANAGEABLE MODULE.

The access units of the Telindus E-series (E141, E201) are designed to deliver bundled services covering ISDN, Internet access and legacy data services. They interface on their uplink on E1 lines that contain FPRI (Fractional Primary Rate ISDN) and FE1 (Fractional E1) circuits. The Telindus E800 can connect to several of those access units and cross-connect the different FE1 data services into a single E1 trunk while bundling the different Fractional PRI lines on 1 single PRI interface. This is also illustrated in the typical application below.

Depending on the density of the connected users, the Telindus E800 can be installed in a Multi Tenant Building (MTB) or in a Point Of Presence (POP) of the network service provider.

When used in a MTB, a distance of up to 1.5 km can be covered between the Telindus E800 and the E-series access units using 2 twisted copper pairs.

When installed in a POP environment, several modules can be installed in a single 19" card-nest.

### G.703 INTERFACES

- > Number of interfaces: 8
- > Connector: RJ45, DTE
- > Interface type: G.703/G.704
- > Maximum line attenuation: 40 dB at 1 MHz
- > Maximum distance: 1.5 km
- > Operation Modes:
  - > ISDN TE or NT, conform CTR4, I431, Q.921, Q.931, ETS 300 125 (LAP-D) and ETS 300 102-1 (ISDN Layer 3 Call Control)
  - > Channelised E1
  - > Combined FE1/FPRI

### CONSOLE INTERFACE

- > Connector: EIA/TIA 574 (DB9 female), DCE
- > Operation: V.24/V.28
- > Speeds: 9600 BNT

### ETHERNET INTERFACE

- > Connector: RJ45
- > Operation: 10Base-T Ethernet

### ISDN STATISTICS

- > Line performance according to Q.821
- > CRC-4 errors per line
- > Line occupation
- > Call routing information

### ISDN CALL ROUTING FUNCTIONALITY

- > Called Dial Number (CDN) based routing
- > Connection Identification Profile (CIP) based routing
- > Flexible redialling
- > Alternative routing in case of call-setup failure
- > Calling Line Identification (CLI) and replacement

### EMBEDDED IP ROUTER FUNCTIONALITY

- > Routing Modes:
  - > ISDN dial on demand routing
  - > FE1 leased line routing
  - > FE1 leased line routing with ISDN backup
- > WAN speeds:
  - > ISDN dial on demand routing: 64 kbps
  - > FE1 leased line routing: Nx64 kbps up to 512 kbps
- > PPP encapsulation compliant RFC 1661,1662
- > Calling Line Identification (CLI) for dial-in connection
- > PAP access security
- > Port Address Translation (PAT) with port forwarding
- > Static routing with up to 10 static routes

### MAINTENANCE AND MANAGEMENT

- > Tracing with configurable trace level
- > Built-in SNMP agent for alarm management with call-home feature
- > Integrated HTTP Web server interface
- > TELNET and local console: command line or menu-driven interface
- > Access to management via LAN port, permanent leased line or via ISDN call.

### FRONT PANEL

- > Heart Beat: Overall system operation
- > LAN: LAN traffic monitoring
- > PRI (1..8): status of E1 interface

### MECHANICAL DATA (H x W x D)

- Desktop unit:
  - > Dimensions: 43 x 268 x 260 mm - Weight: 2 kg (without power adapter)
- Rack-mount unit:
  - > Dimensions: 265 x 26 x 250 mm - Weight: 0.6 kg
- Card-nest:
  - > Dimensions: 265 x 485 x 280 mm
  - > Number of cards: 12 (10 in case of power redundancy)

### POWER REQUIREMENTS

- Desktop unit:
  - > External AC/DC power adapter (90..264 VAC, 50/60 Hz) included
  - > Optional DC/DC power adapter ( 48 VDC)
  - > Maximum power consumption: 6 Watt
- Rack-mount unit:
  - > AC power supply module 90..264 VAC, 50/60 Hz, 200W
  - > DC (48Vdc) power supply module on request
  - > Possibility for redundant powering (takes up 2 additional slots)

### SALES CODES

- > 180036 E800 desktop unit 115/230 Vac
- > 180035 E800 rack-mount unit
- > 180041 Card-nest for 12 (or 10) rack-mount units
- > 180042 Power module for card-nest 115/230 Vac 200W

TYPICAL APPLICATION: SERVICE AGGREGATION FOR MULTIPLE USERS

