packetband-isdn

PacketBand-ISDN-B-4

Features

▶ Product versions supports up to 4 ISDN BRIs

▶ US-ANSI and Euro-ETSI ISDN available

▶ Transmits all data and voice protocols over packet networks

▶ Totally transparent to all data formats

▶ All PacketBands and interfaces synchronized to the same clocks

▶ Internal AC and DC power options

▶ SIP Server option for centralized call routing

▶ Various clocking options with high quality clock recovery

▶ Any "B" channel can dial any other on the packet network, or "break-out/in" via a "gateway" PacketBand to national/international ISDN

▶ Provides low-cost migration to IP networks for legacy equipment

▶ Low data overheads

▶ Configurable packet size

▶ Compensates for "jitter" or packet delay variation

▶ Re-orders packets

▶ Very low latency or processing delay

▶ Four 10/100 Base Ethernet ports; one to WAN (Packet Network) and three local Ethernets

▶ Local Ethernets support Rate Limiting

▶ Quality of Service (QoS) options

▶ VLAN and Double VLAN tagging

▶ Full cross-connectivity

▶ Versions support TE and/or NT (connects to a network and local equipment)

▶ ETSI to ANSI conversion

▶ a-Law to µ-Law conversion

▶ Support for contention or over-booking

▶ Call Progress Tone generation

▶ Number manipulation/conversion/LCR

▶ Automatic Primary/Secondary/Tertiary routes

▶ Routing profiles can be scheduled at different times of the day/week

▶ ISDN Layer 2 and Layer 3 message capture and log for analysis

▶ Easy and intuitive to configure via GUI management package

▶ Compact table-top with optional rack-mount extenders

▶ Approved (Emissions & Safety)

▶ RoHS compliant

The PacketBand-ISDN-B-4 delivers transparent switched ISDN data services across packet networks.

All ports are locked with central, or network clocks, providing a fully synchronous environment across asynchronous networks.

Specifications

BRI Interfaces	Support for 4 or 8 BRIs Typical driving distance – 500m Support for a-Law to µ-Law conversion and a-Law and µ-Law tones (ring/busy etc) Overlap to En-Bloc conversion Support for Dual TEIs
ETSI (Euro-ISDN)	RJ45 120Ohm balanced Point-to-Point and Point-to-Multipoint ETSI-DSS1 (Euro-ISDN) ETSI Q.931/921 ETSI 300-011 (Layer 1) ETSI 300-125 (layer 2) ETSI 300-102 (layer 3)* Approved to TBR3
Packet Ports (x4)	RJ45 standard twisted-pair CAT5E cable Typical driving distance 500m–1,500m per Link depending on data rate and cable Supports data rates up to 50Mbps full-duplex between two units Provides management access to all units with Ethernet card in PC
ANSI (US-ISDN)	RJ45 100Ohm balanced Support for SPIDs and Auto-SPID NI-1 North American National DMS-100 and 5ESS switch variants AT&T TR-62411 and ANSI T1.403
Serial Control Port	Access password protected Asynchronous, 8 data, 1 stop bit, no parity speed 19.2 to 115kbps
Power	Internal AC PSU Standard IEC connector 95-240 VAC; 15W; 47-63Hz Auto-sensing Standard IEC connector Max consumption 0.2Amps RMS @230VAC
Dimensions	**Width:** 8.6" [225 mm] **Depth:** 7.86" [200 mm] **Height:** 1.73" [44 mm]
Environment	Operating Temperature -20°C to +55°C Humidity 10-90% non-condensing
Warranty	1 year hardware & software

Ordering Information

PB-ISDN-4BNT-AC
Quad BRI NT ports, 16 logical links. AC power. Includes serial control cable and DbManager Lite.

PB-ISDN-4BTE-AC
Quad BRI TE ports, 16 logical links. AC power. Includes serial control cable and DbManager Lite.

Optional Accessories (sold separately)

PB/cont
Replacement serial controller cable

PB/RMK/W/1
Wall mount kit

PB/RMK/2
19" rack mount kit for PB-ISDN-4B models