NEW PRODUCT

packetband-isdn

PacketBand-ISDN-P

Features

▸ Product versions supports up to 4 ISDN PRIs

▸ T1 and E1 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

▸ 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 gate way 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 and three local Ethernets

▸ Local Ethernets support Rate Limiting

▸ Quality of Service (QoS) options

▸ VLAN Tagging

▸ Full timeslot cross-connectivity

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

▸ Support for Fractional PRIs

▸ Euro-ISDN and various ANSI protocols

▸ E1 to T1 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-P delivers transparent switched PRI ISDN synchronous data services across asynchronous packet networks for PRI interfaces.

Specifications

PRI Interface	Up to 4 PRIs. Different options available with 1 or 4 ports A pair of ports are Power-Failure Relay Protected Typical driving distance – 500m Switchable NT/TE with straight cables E1 RJ45 120Ohm balanced G.703 HDB3 encoded ETSI-DSS1 (Euro-ISDN) ETSI Q.931/921 ETSI 300-011 (Layer 1) ETSI 300-125 (layer 2) ETSI 300-102 (layer 3)*Call for details Approved to TBR4 Selectable CRC4 or non-CRC4 Framing
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 to 50Mbps full-duplex between the two units Provides management access to all units with Ethernet card in PC
Safety	IEC60950-1:2002 including National differences: ACS/NZS60950:2000 AS/NZS3260:1993 ACA TS001:1997
T1	RJ45 100Ohm balanced ESF or D4 framing B8Zs or AMI line coding NI-2 North American National DMS-100 and 5ESS switch variants AT&T TR-62411 and ANSI T1.403 Robbed-Bit Signalling Hong Kong variant available
Serial Control Port	RJ12 with Dry-contact Alarm Relay Access password protected. Asynchronous, 8 data, 1 stop bit, no parity speed 19.2 to 115kbps
Power	Internal AC PSU Standard IEC connector 95-250 VAC; 15W; 47-63Hz Max consumption 0.2Amps RMS @230VAC
Dimensions	**1P & 4P Models** **Width:** 11.5" [292 mm] **Depth:** 7.86" [200 mm] **Height:** 1.73" [44 mm] **16 & 32 P Models** **Width:** 17.25" [438 mm] **Depth:** 12.6" [320 mm] **Height:** 3.46" [88 mm]
Environment	Operating Temperature -20°C to +55°C Humidity 10-90% non-condensing
Warranty	1 year hardware & software

Ordering Information

PB-ISDN-1P-SW-AC
Single PRI port, user selectable NT/TE port. 30 logical links. AC power. Includes serial control cable and DbManager Lite.

PB-ISDN-4P-SW-AC
Quad PRI ports, user selectable NT/TE port. 120 logical links. AC power. Includes serial control cable and DbManager Lite.

PB-ISDN-16-AC
16 port PRI 2RU chassis. (2xUTP) 10/100/GE ports and (2 xSFP) ports for WAN. Includes LACP, RSTP, Enhanced Clock, 128 logical links, serial control cable, Terminal Card with external clock receive ports, DbManager Lite and 19" rack mount ears. Single AC Power Supply. Optional redundant power supply available separately.

PB-ISDN-32-AC
32 port PRI 2RU chassis. (2xUTP) 10/100/GE ports and (2 xSFP) ports for WAN. Includes LACP, RSTP, Enhanced Clock, 128 logical links, serial control cable, Terminal Card with external clock receive ports, DbManager Lite and 19" rack mount ears. Single AC Power Supply. Optional redundant power supply available separately.

Optional Accessories (sold separately)

PB/cont
Replacement serial controller cable

PB/cpack/1P
Cable Pack for single E1/T1 PacketBand. 2m

PB/cpack/4P
Cable Pack for 4-port E1/T1 PacketBand. 2m

PB/RMK/W/1
Wall mount kit

PB/RMK/2
19" rack mount for 1P & 4P models

TRANSITION
NETWORKS®