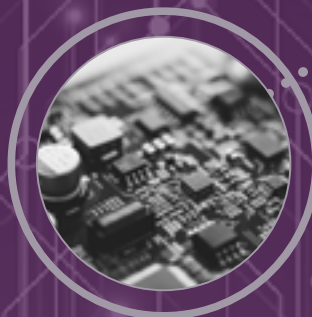




**Deliver transparent, switched
PRI ISDN services across packet
networks**

PacketBand ISDN Chassis

NET2EDGE

PacketBand ISDN Chassis

Data Sheet



Product Features

- Product versions supports 8, 16 and 32 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
- 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 (PDV)
- Re-orders out of sequence 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 and Double 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
- Approved (Emissions & Safety)
- RoHS compliant

PacketBand ISDN Chassis

Data Sheet



Specifications

PRI Interfaces

- Support for 8, 16 or 32 PRIs
- A pair of ports are Power-Failure Relay Protected
Typical driving distance – 500m
- Software selectable NT/TE with straight cables

ETSI (Euro-ISDN)

- RJ45 120 ohm 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)

Advanced Timing

- Temperature stability ± 150 ppb
- Oscillator hold-over 24hrs (at constant temperature)
 ± 40 ppb

ANSI (US-ISDN) Option available on request

- RJ45 100 Ohm balanced
- Support for SPIDs and Auto-SPID
- NI1, DMS-100 and 5ESS switch variants
- ANSI T1.403

Power

- Support for up to 2 AC or DC plug in power supplies

Environment

- Operating Temperature -20°C to +55°C
- Humidity 10-90% non-condensing

Physical

- Width: 438mm, Depth: 320mm, Height: 88mm

Standard cards

Ethernet Card

- 2 x standard SFP cage
- SFP 'enabled' warning LED
- Default to 1GE
- 2 x RJ45 UTP ports
- 10/100/1000 Mbps
- Auto-sensing

Management Card

- 1 x RJ12 asynchronous control port
- 1 x RJ11 alarm port
- 2 x RJ45 external clock inputs *
- 2 Mbit square wave or HDB3 *
- 2 x BNC external clock inputs: 2 MHz & 10 MHz *

* Order options

PacketBand ISDN Chassis

Data Sheet



Specifications

Optional Cards

PRI Cards

- Options: 8, 16 and 32 RJ45 ports for PRI

T1 Ports

- 100 Ohm
- Unframed 1.544Mbps / Framed 1.536Mbps CCS
- ESF or D4 selectable
- B8ZS or AMI selectable

E1 Ports

- 120 Ohm (75 Ohm via convertor cable)
- ITU-T G.703 unstructured / ITU-T G.704 channelized
- ITU-T G.706
- Selectable CRC4 / non-CRC4
- HDB3

Power Supplies

AC PSU (Plug-In)

- Standard IEC connector
- 100-240 VAC; 15W; 47-63Hz Auto-sensing
- Max consumption 0.2Amps RMS @230VAC

DC PSU (Plug-In)

- 4mm screw down terminal
- -19VDC to -72VDC VAC
- Max consumption 0.35Amps @ -48VDC



Standards & Compliance

Safety Compliance

- UL Listed, CE, EN55022 Class A
- IEC60950-1:2002 including national differences
- AS/NZS3260:1993, AS/NZS60950:2000
- ACA TS001:1997

Regulatory Compliance

- CE Mark
- EN60950-1:2006 + A1:2010 + A12:2011
- EN55022:2010; EN55024:2010

PacketBand ISDN Chassis

Data Sheet

Ordering Information

PB-ISDN-8-AC

8 Port, 2RU PacketBand Chassis providing transparent switched PRI ISDN synchronous data services across asynchronous packet networks for PRI interfaces, single AC power supply.

PB-ISDN-16-AC

16 Port, 2RU PacketBand Chassis providing transparent switched PRI ISDN synchronous data services across asynchronous packet networks for PRI interfaces, single AC power supply.

PB-ISDN-32-AC

32 Port, 2RU PacketBand Chassis providing transparent switched PRI ISDN synchronous data services across asynchronous packet networks for PRI interfaces, single AC power supply.

PB-ISDN-8-DC

8 Port, 2RU PacketBand Chassis providing transparent switched PRI ISDN synchronous data services across asynchronous packet networks for PRI interfaces, single DC power supply.

PB-ISDN-16-DC

16 Port, 2RU PacketBand Chassis providing transparent switched PRI ISDN synchronous data services across asynchronous packet networks for PRI interfaces, single DC power supply.

PB-ISDN-32-DC

32 Port, 2RU PacketBand Chassis providing transparent switched PRI ISDN synchronous data services across asynchronous packet networks for PRI interfaces, single DC power supply.

Optional Accessories

PB-PSU-AC

Additional AC Power Supply for 2RU PacketBand Chassis

PB/SCC

Replacement serial controller cable

PB/CP/8P

Cable Pack for 8 E1/T1 RJ45 2m straight connections

PB-PSU-DC

Additional DC Power Supply for 2RU PacketBand Chassis

PB/cpack/75BNC/01

120 Ohm RJ45 to 75 Ohm dual BNC conversion cable 20cm

PB/CPX/8P

Cable Pack for 8 PRI/T1 RJ45 2m crossed connections



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