



Deliver transparent, switched ISDN services across packet networks

PacketBand ISDN CPE

NET2EDGE

PacketBand ISDN CPE

Data Sheet



Product Features

- Euro-ETSI and US-ANSI 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
- Re-orders out of sequence packets
- Very low latency or processing delay
- Rate limiting on Ethernet links
- Quality of Service (QoS) options
- VLAN and Double VLAN tagging
- Full cross-connectivity
- ETSI to ANSI conversion
- Support for contention or over-booking
- Call Progress Tone generation available
- Sophisticated 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
- CE Approved (Emissions & Safety)
- RoHS compliant



Specifications

BRI Interfaces

- Support for 1, 4 or 8 BRIIs
- Typical driving distance – 500m
- Support for ISDN tones (ring / busy etc)
- Overlap to En-Bloc conversion
- Support for Dual TEIs

PRI Interfaces

- Support for 1 or 4 PRIIs
- A pair of ports are Power-Failure Relay Protected
- Typical driving distance – 500m
- Switchable 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)
- Approved to TBR3

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

Console Port

- RS232, Access password protected
- Asynchronous, 8 data, 1 stop bit, no parity speed 19.2 to 115kbps

Packet Port(s)

- 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

Power

- Internal AC PSU
- Standard IEC connector
- 95-240 VAC; 15W; 47-63Hz Auto-sensing
- Max consumption 0.2Amps RMS @230VAC

Environment

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

Regulatory Compliance

- FCC Class A; CE Mark; CB Scheme Certified
- MET Mark (North American safety)
- EN60950-1:2006+A1:2010+A12:2011
- EN55022:2010; EN55024:2010

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Ordering Information

PB-ISDN-1B-NT-AC¹

- Single BRI NT port
- Single RJ45 packet port
- 2 logical links
- AC power
- Includes serial control cable and DbManager Lite

¹ Width: 225mm, Depth: 200mm, Height: 44mm

PB-ISDN-1B-TE-AC¹

- Single BRI TE port
- Single RJ45 packet port
- 2 logical links
- AC power
- Includes serial control cable and DbManager Lite

PB-ISDN-4B-SW-AC²

- Four BRI ports switchable between NT and TE
- 4 RJ45 packet ports
- 16 logical links
- AC power
- Includes serial control cable and DbManager Lite.

PB-ISDN-4P-SW-AC²

- Four PRI ports
- 4 RJ45 packet ports
- 120 logical links
- AC power
- Includes serial control cable and DbManager Lite.

PB-ISDN-8B-AC²

- Eight BRI ports switchable between NT and TE
- 2 RJ45 and 1 SFP packet ports
- 64 logical links
- AC power
- Includes serial control cable and DbManager Lite.

PB-ISDN-1P-SW-AC²

- Single PRI port
- 4 RJ45 packet ports
- 30 logical links
- AC power
- Includes serial control cable and DbManager Lite.

² Width: 292mm, Depth: 200mm, Height: 44mm

Optional Accessories

PB/SCC

Replacement serial controller cable

RMK-WALL

Wall mount kit

PB-RMK-S

19" rack mount kit

PB-RMK-L

19" rack mount kit



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