PacketBand-ISDN-P

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-DS11 (Euro-ISDN)
- ETSI G.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:
  - ANSI/NZS3620:1993
  - AGA TS001:1997

T1
- RJ45 100ohm balanced
- E5F or D4 framing
- B2B or AML 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.
- Includes serial control cable and DbManager Lite.

PB-ISDN-1P-SW-AC
- Quad PRI ports, user selectable NT/TE port.
- Includes serial control cable and DbManager Lite.

PB-ISDN-4P-SW-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

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
- Support for contention or over-booking
- ISDN Layer 2 and Layer 3 message
- Routing profiles can be scheduled at different times of the day/week
- Full timeslot cross-connectivity
- Robbed-Bit Signalling
- AT&T TR-62411 and ANSI T1.403
- DMS-100 and 5ESS switch variants
- NI-2 North American National
- B8Zs or AMI line coding
- ESF or D4 framing
- RJ45 100Ohm balanced
- RJ45 120Ohm balanced
- RJ12 with Dr
- Hong Kong variant available
- Supplies 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.

Ordering Information

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

PB-ISDN-4P-SW-AC
- Quad PRI ports, user selectable NT/TE port.
- 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