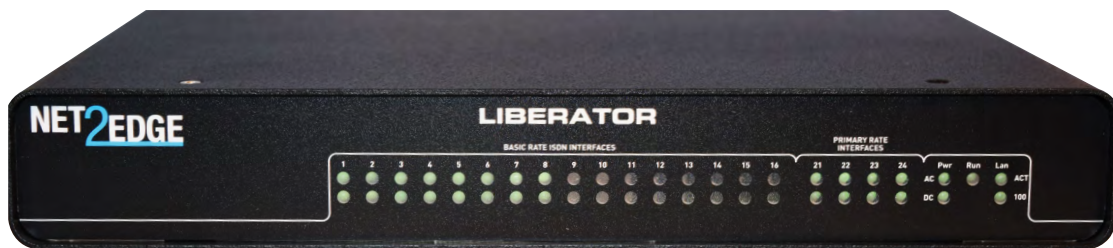


DATASHEET

Liberator™ S

ISDN Converter, ISDN Splitter, Switch, and Concentrator

LIBERATOR



NET2EDGE

Description

ISDN Converter, ISDN Splitter, Switch, and Concentrator. Liberator models support up to 4 PRI interfaces and 0, 4 or 16 BRI 'S' interfaces.

Product Features

- Very flexible PRI/BRI ISDN switch
- ISDN splitter, sharer or concentrator
- Converts between PRI and BRI
- Connects to ISDN networks and/or local ISDN devices
- Shares ISDN access between multiple local devices
- Full cross-connection between all 'B' channels
- Dynamic re-directing of calls if destinations unavailable
- Local connectivity between any ports
- Build multiple BRI networks ports into a local PRI
- BRI ports NT/TE user switchable
- PRI ports NT/TE user switchable
- PRI ports Power Failure Relay protected
- Standard ETSI to ANSI conversion
- BRI ANSI to ETSI conversion
- Supports A-Law to μ -Law for voice conversion
- Support for "Call Deflection"
- Tones generated from network and/or by Liberator
- Different models available to support different I/O combinations
- Remotely manageable and software upgradeable
- Off-line Call Routing configurator

Specifications

Interfaces

- PRI: 2 or 4 PRI ports
- Marked as 'PRI21' 'PRI22' 'PRI23' and 'PRI24'
- By default PRI21 and PRI23 are configured for TE ISDN stack (user-side); PRI22 and PRI24 for NT (network-side) The default configurations can be changed by the user but crossed cables are necessary
- Interfaces PRI21 - PRI22 and PRI22 - PRI24 are protected against power failure by relays which provide a metallic path in the event of failure.

PRI

- RJ45 120 Ohm balanced (E1)
- G.703/G.704 HDB3 encoded
- Auto-detect CRC4 or non-CRC4 framing (Multiframe or Doubleframe)
- Support of non-switched E1 and Fractional E1 services ISDN PRI ETSI Q.931/921, ETSI-DSS1, ETSI 300-011, ETSI300-125, ETSI 300-102, approved to TBR4
- A-Law and μ -Law tones

T1

- RJ45 100 Ohm balanced T1
- ESF or D4 Framing selectable
- B8ZS or AMI Line code selectable
- NI-2, DMS-100, AT&T 5ESS Switch selectable AT&T TR-62411 and ANSI T1.403 Compliant Hong Kong variant available
- A-Law and μ -Law tones

Control Ports RJ11 Marked 'Cmd'

- Asynchronous 8 data, 1 stop bit no parity
- 19.2kbps to 115kbps
- Password protected
- Dry contact alarm relay

Relays

- Interfaces pairs PRI21 and PRI22 and PRI23 and PRI 24 are Power-Failure Relay protected as standard. Interfaces will be connected together using relays in the event of power failure. This forms a metallic path between the two ports.

Power (AC)*

- Mains - AC
- Internal switch-mode supply IEC connector
- Voltage range 95-240VAC autosensing
- Input frequency 47-63Hz
- Max current consumption 200mA @ 230VAC

Dimensions

- Width 11.5" (292 mm)
- Depth: 7.86" (200 mm)
- Height: 1.73" (44 mm)

Weight

- 1.1kg (2.4lb)

Specifications Cont.

Environment

- Operating 0 – 55 °C
- Humidity 10-90% non-condensing
- Natural convection cooling

Warranty

- 1 year hardware & software

Regulatory Compliance

- IEC60950-1:2007
- ACS/NZS60950:2000
- AS/NZS3260:1993
- ACA TS001:1997

Ordering Information

LIB-2P4B-AC

- Liberator “S” Chassis with internal AC power supply
- 2 PRIs, user selectable NT/TE
- 4 BRI ports, user selectable NT/TE
- Includes serial control cable and DbManager Lite

LIB-2P16B-AC

- Liberator “S” Chassis with internal AC power supply
- 2 PRIs, user selectable NT/TE
- 16 BRI ports, user selectable NT/TE
- Includes serial control cable and DbManager Lite

LIB-4P16B-AC

- Liberator “S” Chassis with internal AC power supply
- 4 PRIs, user selectable NT/TE
- 16 BRI ports, user selectable NT/TE
- Includes serial control cable and DbManager Lite

LIB-4POB-AC

- Liberator “S” Chassis with internal AC power supply
- 4 PRIs, user selectable NT/TE
- 0 (zero) BRI ports
- Includes serial control cable and DbManager Lite

Optional Accessories

SINGLE-RMK-L

19” rack-mount kit

LIB/CPACK/1P

Cable pack for 1 PRI ports (1 crossed 1 straight)

LIB/CPACK/2P

Cable pack for 2 PRI ports (2 crossed 2 straight)

LIB/CPACK/4P

Cable pack for 4 PRI ports (4 crossed 4 straight)

LIB/CPACK/4

Cable pack for Liberators with 4 NT BRIs

LIB/CPACK/4X

Cable pack for Liberators with 4 TE BRIs (crossed)

LIB/CPACK/8

Cable pack for Liberators with 8 NT BRIs

LIB/CPACK/8X

Cable pack for Liberators with 8 TE BRIs (crossed)

LIB/CPACK/12

Cable pack for Liberators with 12 NT BRIs

LIB/CPACK/12X

Cable pack for Liberators with 12 TE BRIs (crossed)

LIB/CPACK/16

Cable pack for Liberators with 16 NT BRIs

LIB/CPACK/16X

Cable pack for Liberators with 16 TE BRIs (crossed)

PB/cont

Replacement serial controller cable