

liberator

Liberator S



ISDN Converter, ISDN Splitter, Switch,
and Concentrator

Liberator models support up to 4 PRI interfaces
and 0, 4, 8 or 16 BRI 'S' interfaces.

A standard Liberator 'S' can be user configured
with all PRI interfaces the same.

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 any/ all 'B' channels
- ▶ BRI Power Feed options
- ▶ Least Cost Routing
- ▶ Dynamic re-directing of calls if destinations unavailable
- ▶ Local connectivity between any ports
- ▶ Build multiple BRI networks ports into a local PRI
- ▶ NT BRIs and NT/TE user switchable
- ▶ BRI Power Failure Relay Protection option
- ▶ PRI ports NT/TE user switchable
- ▶ PRI ports Power Failure Relay protected
- ▶ Standard ETSI to ANSI PRI to BRI 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
- ▶ Field-upgradeable versions to remotely enable additional ports
- ▶ Remotely manageable and software upgradeable
- ▶ Off-line Call Routing configurator
- ▶ Many applications and uses

Specifications

Interfaces	PRI - 1, 2, 3 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.
E1	RJ45 1200hm balanced (E1) 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 1000hm 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
BRI 0, 4, 8 or 16 Ports	(depending upon Model) 1 x SFP cage (module not supplied) for various fiber modes 1 x Optional SFP cage for second fibre for resiliency 2 x RJ45 UTP 10/100/1GE Auto-sensing or manual
Control Ports RJ11 Marked 'Cmd'	Asynchronous 8 data, 1 stop bit no parity 19.2kbps to 115kbps Password protected Dry contact alarm relay
LEDs	PRI x 4 BRI PWR Run LAN ACT LAN 100
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	1. Mains - AC Internal switch-mode supply IEC connector Voltage range 95-240VAC autosensing Input frequency 47-63Hz Max current consumption 200mA @ 230VAC
Environment	Operating 0 - 55 °C Humidity 10-90% non-condensing Natural convection cooling
Safety	IEC60950-1:2007 ACS/NZS60950:2000 AS/NZS3260:1993 ACA TS001:1997
Dimensions	Width: 11.5" [292 mm] Depth: 7.86" [200 mm] Height: 1.73" [44 mm]
Weight	1.1Kgs 2.4lb
Warranty	1 year hardware & software

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-2P8B-AC

Liberator "S" Chassis with internal AC power supply. 2 PRIs, user selectable NT/TE. 8 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-4P8B-AC

Liberator "S" Chassis with internal AC power supply. 4 PRIs, user selectable NT/TE. 8 BRI ports, user selectable NT/TE. Includes serial control cable and DbManager Lite.

LIB-4P0B-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 (sold separately)

PB-ET/RMK/01

19" rack kit for Liberators product

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