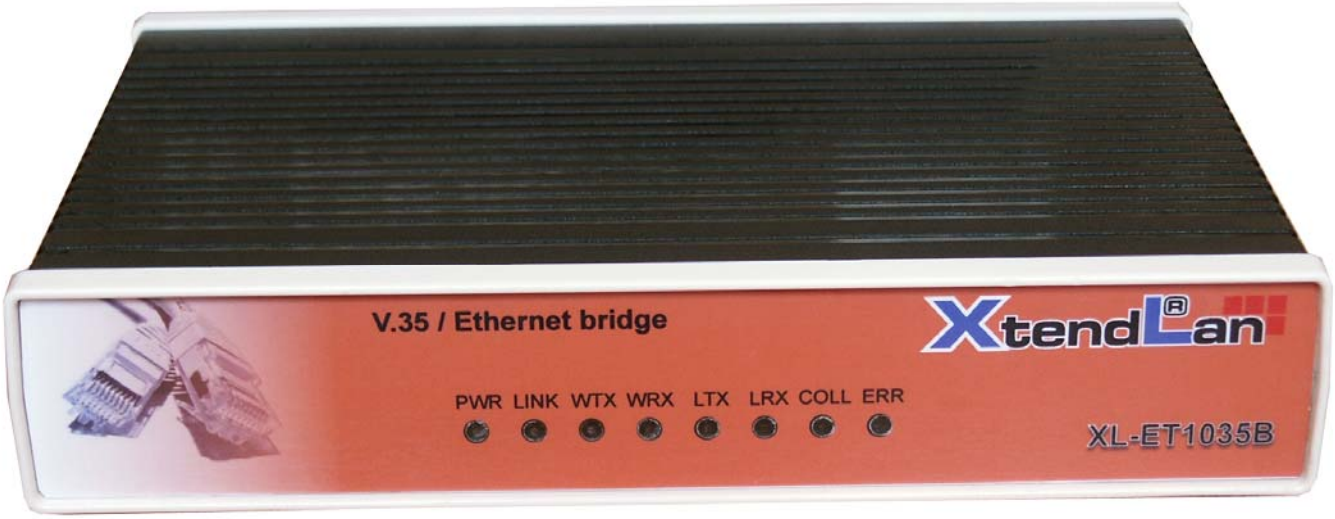
XL-ET1035B

V.35 – Ethernet bridge

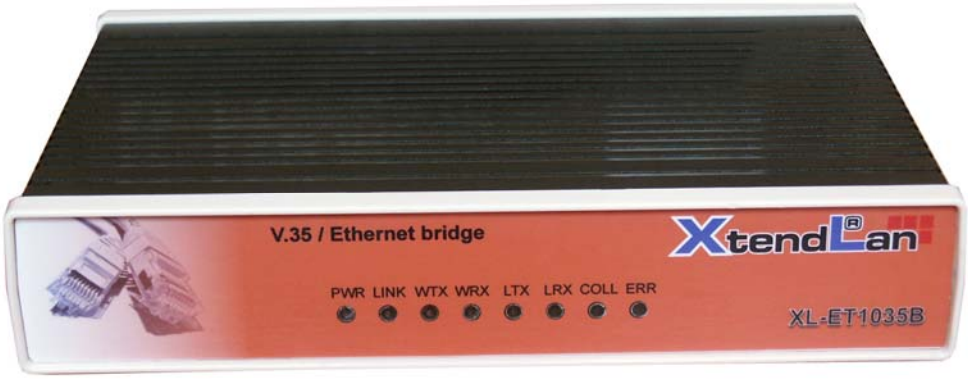


User's Guide

XL-ET1035B Ethernet network bridge is a equipment that through V.35 implement Ethernet connection. Adopt DTE interface style, supply timepiece from DCE equipment, support rate reach 10Mbps. Ethernet interface adopt 10Base-T standard, support 10Mbps full duplex and half duplex protocol.

- WAN interface V.35
- Interface style DTE
- Line code NRZ
- Data rate 0~10Mbps
- Ethernet interface 10Base-T, full and half duplex, IEEE 802.3
- MAC address table for 10k MAC address
- Filtrate and convert up to 15000 pps
- Support 256 frame data slow memory
- Support timepiece: DCE equipment timepiece
- Power consumption: 1,5W (220V AC, 5V DC)
- Temperature: -40 to +85 ^{o}C
- Humidity: 10% to 90% non-condensing
- Dimension: 220 x 150 x 40 mm
- Weight: 240g

Front panel:



Indicator	Description
PWR	Power indicator. Brightness when powered.
LINK	Ethernet connection established.
WTX	V.35 port sending data.
WRX	V.35 port receiving data.
LTX	Ethernet port sending data.
LRX	Ethernet port receiving data.
COLL	Ethernet port detected collision.
ERR	Equipment alarm indication.

Rear Panel:

Port	Description
10Base-T	LAN port, Ethernet standard 10Base-T, RJ-45 connector.
SW1	Switch panel, configuring device parameters.
V.35 DTE interface	V.35 interface, connector DB-25. Connect supplied V.35 cable here.
POWER	Power supply port

DIP switch SW1 settings:

Setting device parameters. Please leave in default state if you do not know what their purposes are.

Ethernet working mode setup:

Switch No. 1: OFF: Force full duplex 10Base-T ON: Force half duplex 10Base-T

Data compression setup:

Switch No. 2: OFF: Compression enabled ON: Compression disabled.

V.35 interface receive timepiece phases adjust:

Switch No. 3: OFF: Cut timepiece ON: receive data on rising edge of RCLK
Switch No. 4: OFF: Cut timepiece ON: receive data on lowering edge of RCLK
Switch No. 5: OFF: Cut timepiece ON: transmit data on rising edge of TCLK
Switch No. 6: OFF: Cut timepiece ON: transmit data on lowering edge of TCLK

DB-25 connector description:

Pin	Description	I/O
1	GND	
2	TDA	Input
3	RDA	Output
4	NC	
5	CTS	Output
6	DSR	Output
7	GND	
8	DCD	Output
9	RCB	Output
10	NC	
11	XTCB	Input
12	TCB	Output
13	NC	
14	TDB	Input
15	TCA	Output
16	RDB	Output
17	RCA	Output
18	NC	
19	NC	
20	NC	
21	NC	
22	NC	
23	NC	
24	XTCA	Input
25	NC	