CTC union®

ET100A (V3)
Ethernet to WAN (V.35/RS530/449/232/X.21) Bridge

The ET100A Network Bridge is a high performance remote, self-learning, Ethernet bridge. Its compact size and low cost makes it ideal for cost-sensitive bridging applications, or as a LAN extender or segmenter over bit stream type infrastructures. The built-in n x 64 (56) Kbps timing clock generator makes it easy to connect to other n x 64 (56)Kbps related data equipment. Several options of data interfaces, including V.35, RS-530, RS-449, RS-232, and X.21 make this unit's connection between 10Base-T or 100Base-TX LAN and various data port interfaces convenient.
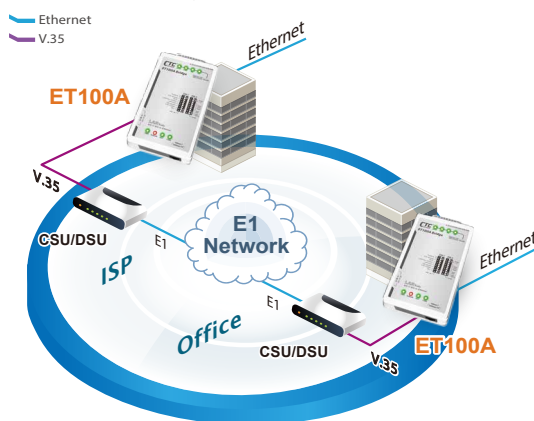
Features

- Protocol : Synchronous HDLC (ISO 13239), PPP, CISCO® HDLC
- 10Base-T or 100Base-TX Ethernet bridge
- Auto MDI/MDIX
- Supports IEEE 802.3x flow control

- Selectable data port : V.35, RS-530, RS-449, RS-232, X.21
- Transparent half / Full duplex support on WAN, LAN interface
- Nx64, Nx56 timing clock generator for Sync WAN link
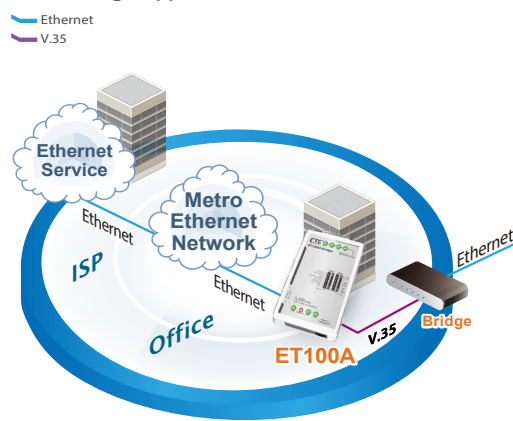- LEDs indication for LAN, WAN status

Specifications

WAN		
Interface:	Selectable RS-232(Sync), V.35, RS-530, RS-449, RS-232, X.21with Adapter Cable	
Protocol:	Synchronous PPP, HDLC (ISO 13239), CISCO® HDLC	
Connector:	DB25M	
Type:	DTE	
Configuration:	All Configuration by Dip switch (Protocol, interface, Clock mode, data rate)	
Data rate:	Nx56Kbps, Nx64Kbps	
	RS-232 up to 128Kbps	
	V.35, X21, RS-530, RS-449 up to 10Mbps	
Clock source:	Tx/Rx internal or external	
Handshake (DCD)	Follow CTS/RTS or Always On	
Indications	LEDs	(PWR, WAN Rx/Tx, LAN Tx/Rx/Link/Err/Speed)

LAN	
	Compliant with IEEE 802.3, 802.3u, 802.3x
	Connector: RJ-45
	Speeds: 10/100Base-TX, Full/Half duplex
	Frames: Support 64 ~ 2044 byte packet lengths
Bridge Specifications	MAC Address learning, aging and deletion after 5 minutes
	256 addresses MAC table, 1763 packet buffer
Power	12VDC
Power Consumption	< 5 W
Dimensions	135 x 79 x 25mm (D x W x H)
Weight	180g
Temperature	0°C ~ 50°C (Operating), -10°C ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC

Application

Ethernet over TDM, Point to Point

HDLC Bridge Application

Ordering Information

Model Name	Description
ET100A/V35M	Ethernet to V35 WAN Bridge with V.35 cable: DB25F to MB34M, 1 meter
ET100A/X21M	Ethernet to X21 WAN Bridge with X21 cable: DB25F to DB15M, 1 meter
ET100A/RS530M	Ethernet to RS530 WAN Bridge with RS530 cable: DB25F to DB25M , 1 meter
ET100A/RS449M	Ethernet to RS449 WAN Bridge with RS449 cable: DB25F to DB37M , 1 meter
ET100A/RS232M	Ethernet to RS232 WAN Bridge with RS232 cable: DB25F to DB25M , 1 meter

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www.ctcu.com / sales@ctcu.com   Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.