



# ET100A (V2)

## Ethernet to WAN (Synchronous) 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

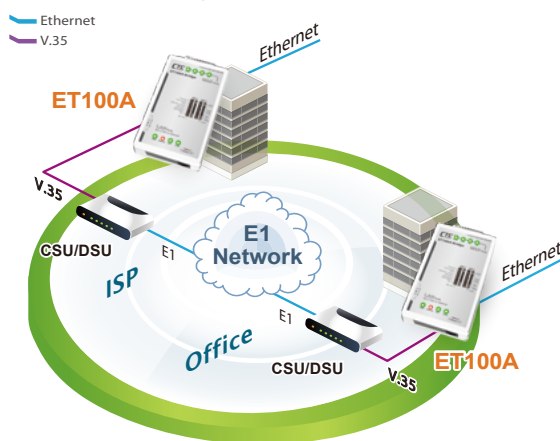
- Protocol : Synchronous HDLC (ISO 13239), PPP, CISCO® HDLC
- 10Base-T or 100Base-TX Ethernet bridge
- Auto MDI/MDIX
- Supports IEEE 802.3x flow control
- Selectable data port : V.35, RS-530, RS-449, RS-232, X.21
- Transparent half / Full duplex support on WAN, LAN interface
- Nx64, Nx56 timing clock generator for Sync WAN link
- LEDs indication for LAN, WAN status

### Specifications

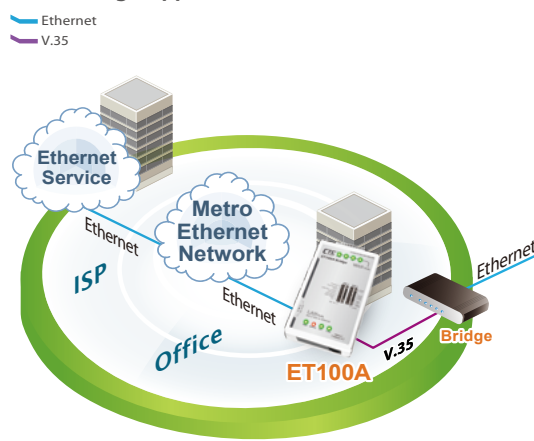
<b>WAN</b>	Interface:	Selectable RS-232(Sync), V.35, RS-530, RS-449, RS-232, X.21with Adapter Cable	<b>LAN</b>	Compliant with IEEE 802.3, 802.3u, 802.3x		
	Protocol:	Synchronous PPP, HDLC (ISO 13239), CISCO® HDLC		Connector: RJ-45		
	Connector:	DB25M		Speeds: 10/100Base-TX, Full/Half duplex		
	Type:	DTE		Frames: Support 64 ~ 2044 byte packet lengths		
	Configuration:	All Configuration by Dip switch (Protocol, interface, Clock mode, data rate)		<b>Bridge Specifications</b>	MAC Address learning, aging and deletion after 5 minutes	
	Data rate:	Nx56Kbps, Nx64Kbps RS-232 up to 128Kbps V.35, X21, RS-530, RS-449 up to 10Mbps		256 addresses MAC table, 1763 packet buffer	<b>Power</b>	12VDC
	Clock source:	Tx/Rx internal or external		<b>Power Consumption</b>	< 5 W	
Handshake (DCD)	Follow CTS/RTS or Always On	<b>Dimensions</b>	135 x 79 x 25mm (D x W x H)			
<b>Indications</b>	LEDs	(PWR, WAN Rx/Tx, LAN Tx/Rx/Link/Err/Speed)	<b>Weight</b>	180g		
			<b>Temperature</b>	0°C ~ 50°C (Operating), -10°C ~ 70°C (Storage)		
			<b>Humidity</b>	10 ~ 90% non-condensing		
			<b>Certification</b>	CE, FCC, RoHS compliant		

### 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