ET100A

Ethernet to WAN
(V.35, RS - 530, RS - 449, RS-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.
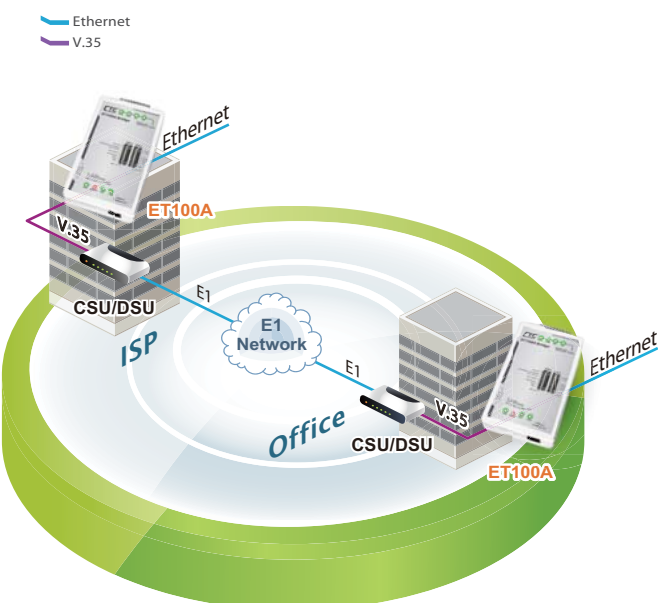
Features

- Protocol : Synchronous HDLC (ISO 13239), PPP, CISCO® HDLC
- 10Base-T or 100Base-TX Ethernet bridge
- Auto MDI/MDIX
- 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	Interface :	Selectable RS-232(Sync/Async), V.35, RS-530, RS-449, RS-232, X.21(cable solution)
	Protocol :	Synchronous HDLC (ISO 13239), PPP, CISCO® HDLC
	Connector :	DB25M
	Type :	DTE port
	Data rate:	• RS-232(Async) up to 115.2Kbps • RS-232(Sync) up to 128Kbps • V.35, X21, RS-530, RS-449 up to 2Mbps • Nx64(56)Kbps up to 2048Kbps
	Clock source :	Tx/Rx internal or external All Configuration by Dip switch (Protocol, interface, Clock mode, data rate)
LAN Interface	• Compliant with IEEE 802.3, 802.3u • Connector: RJ-45 • Speeds: 10/100Base-TX, Full/Half duplex • Frames: Support 64 ~ 1536 byte packet lengths	

Bridge Specifications	• Address learning, aging and deletion after 5 minutes • 256 addresses MAC table • 340 packet buffer
Indications	LEDs (PWR, WAN Rx/Tx, LAN Tx/Rx/Link/Err/Speed)
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, RoHS

▊ Ethernet over TDM, Point to Point

⌇ Ethernet
⌇ V.35

▊ HDLC Bridge Application

⌇ Ethernet
⌇ V.35

Ordering Information

Model Name	Description
ET100A	Compact size, Ethernet to WAN (V.35, X21, RS-530, RS-449, RS-232) bridge w/ DC 12V AC switching adapter

Optional Accessories

CAB-DB25FMB34M-V35	V.35 adapter cable: DB25 Female to MB34 Male , 1meter
CAB-DB25FMB34F-V35	V.35 adapter cable: DB25 Female to MB34 Female , 1meter
CAB-DB25FDB25M-530(232)	RS-530(232) adapter cable: DB25 Female to DB25 Male , 1meter
CAB-DB25FDB25F-530(232)	RS-530(232) adapter cable: DB25 Female to DB25 Female , 1meter
CAB-DB25FDB37M-449	RS-449 adapter cable: DB25 Female to DB37 Male , 1meter
CAB-DB25FDB37F-449	RS-449 adapter cable: DB25 Female to DB37 Female , 1meter