

2/4-Wire G.SHDSL.bis TDM (Bridge) NTU

SHDTU03b-ET100



The CTC SHDTU03b family of G.SHDSL.bis TDM based modems is a telecom product for carriers or SME users. The SHDTU03b-ET100 offers a 10/100Base-TX interface which works over an SHDSL line. The Ethernet interface provides Ethernet over TDM services by way of a HDLC encapsulation and RJ-45 connector. The data rate of Ethernet I/F may be up to 5.696Mbps with one pair copper wires or 11.392Mbps with two pairs copper wire. The SHDTU03b-ET100 can be configured and managed via LCD, or menu-driven VT100 compatible Async. terminal Interface, either locally or remotely.

Features

- Supports 10Base-T and 100Base-TX over SHDSL
- Standard ITU G.991.2
- Fast and cost-effective services of data on a single or two wire pair of existing copper loop infrastructure
- Wetting current sink to protect G.SHDSL.bis line
- Local management interface with LCD display
- Remote line loopback
- G.SHDSL.bis Line performance monitoring (data rate and SNR)
- Raw and per time interval statistics

Specifications

WAN Interface

- Line Rate** ITU G.991.2 (2004)
- Coding** Trellis Coded Pulse Amplitude Modulation (TC-PAM16 and TC-PAM32)
- Support** Annex A , B , F and G
- Payload rate** 64Kbps to 5.696Mbps (N=1 to 89) for 2-wire model.
128Kbps to 11.392Mbps (N=1 to 172) for 4-wire model
- Connection** RJ-45 jack (2-wire or 4-wire)
- Impedance** 135 ohms

Ethernet Interface

- Single Ethernet Interface
- 10/100Mbps Half/Full Duplex, Auto-sensing, Auto-Crossover
- Up to 1024 MAC address learning

Indications

LEDs (Power, Alarm, Test, SYNC, Error, LBK, Link/Act, speed, Col)

DSL Timing

- Internal or Loop

Performance Monitoring Management

- ES, SES, UAS, LOWS, Alarms and Errors
- Configuration with keypads and LCD display
- Console port (RJ-45, RS-232)
- Support firmware upgrade

Power Input

AC Input: 100~240V, DC Input: -36 ~ 72V
Dual power Input: 100~ 240VAC, -36 ~ -72VDC

Power Consumption

< 10W

Dimensions

168 x 195 x 48mm (D x W x H)

Weight

0.85kg

Temperature

0 ~ 50°C (Operating), -10 ~ 70°C (Storage)

Humidity

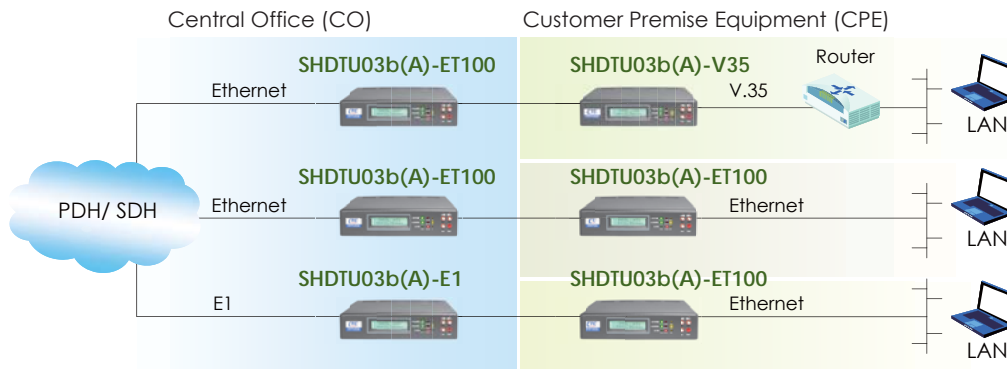
10 ~ 90% non-condensing

Certification

CE, FCC, RoHS

MTBF

70,000 hrs



Ordering Information

Model Name	Description
SHDTU03b-ET100-AD	2-wire Ethernet 10/100Base-TX NTU with AC + DC Power
SHDTU03bA-ET100-AD	4-wire Ethernet 10/100Base-TX NTU with AC + DC Power

Note: SHDTU03b-ET100: 2-wire (5.7Mbps) G.SHDSL.bis TDM Ethernet Bridge Modem
SHDTU03bA-ET100: 4-wire (11.4Mbps) G.SHDSL.bis TDM Ethernet Bridge Modem

Power Type
SHDTU03b - ET100 -
Example: SHDTU03b - ET100 - AD

Power Type
SHDTU03bA - ET100 -
Example: SHDTU03bA - ET100 - AD