

# VDSL CO/CPE Modem VDTU-101(CO)/ 201(CPE)



## One 10/100Mbps Fast Ethernet with one 50Mbps VDSL 4 band CO/CPE Modem

The VDTU-101(CO)/ 201(CPE) works as Ethernet to/from VDSL subscriber-site conversion bridge. The VDTU-101(CO)/ 201(CPE) uses QAM-based 4-band VDSL technologies. Which supports high bandwidth up to 50Mbps symmetrical data service. The VDTU-201(CPE) also works with VRM-308 VDSL IP DSLAM, together to form a cost-effective solution for services such as remote lecturing, telemedicine, video conferencing, Video-on-Demand (VoD), IP-TV etc. Internet access, and various high-speed data applications. The front-panel provide LEDs indication of system and interface status.

The built-in POTS/ISDN splitter allows a standard POTS phone or ISDN device to be connected. Full or half-duplex mode of LAN operations is automatically sensed and configured. VDSL link rates are configured by local concentrators over the standard VOC channel. Therefore, VDTU-101(CO)/ 201(CPE) supports auto-speed, plug & play operations on the subscriber-site, and are part of an ideal solution for delivering cost-effective, high-performance broadband/multimedia services to Multi-Dwelling Units (MDU) and Multi-Tenant Units (MTU) environments such as hotels, campus, hospitals and telecom.

## Features

- Compliant with IEEE802.3 10BASE-T standard, IEEE802.3u 100BASE-TX standard, ETSI, ITU, ANSI standards
- Supports high bandwidth up to 50Mbps symmetrical
- Supports 1 \* RJ-11 connector for Ethernet over VDSL
- Supports 1 \* RJ-11 connector for telephone/PBX connection
- Supports 1 \* RJ-45 port for 10/100Mbps Ethernet with Auto MDI/MDIX
- Support Auto-speed
- Support console port for firmware upgrade and maintain (LT only)
- Voice and Data work on the same telephone line
- Spectral compatibility with xDSL, ISDN (2B1Q/4B3T)
- Supports flow control IEEE802.3x for Full Duplex & Back Pressure for Half Duplex
- Supports Surge protection
- Provides Power LED
- Provides LED indication Link/Active Status for Ethernet port and Link for VDSL port
- Mini size design
- External switching power adapter Input: AC 85-240 volts/50-60Hz; Output: DC 5V/1A or above

## Ordering Info

- VDTU-101: VDSL 4 band CO side Modem
- VDTU-201: VDSL4 band CPE side Modem

## Specifications

Standard	IEEE802.3 standard IEEE802.3u standard Compliant ETSI, ITU, ANSI standards
Interface	1 * RJ-45 10/100Mbps Ethernet port 1 * RJ-11 connector for EoVDSL 1 * RJ-11 connector for telephone Console port: RS-232C/19200bps (COonly)
Cable Connections	RJ-45 (Ethernet): Category 3, 4, 5 UTP/STP RJ-11 (EoVDSL): Twisted-Pair phone wire
LEDs	Link/Active Status for Ethernet port and Link for VDSL port
VDSL Frequency Spectrum	CO Transmitter: 138 KHz ~ 2.8MHz & 5.6MHz ~ 6.95MHz Receiver: 3.17MHz ~ 5.04MHz & 7.95MHz ~ 12MHz CPE Transmitter: 3.17MHz ~ 5.04MHz & 7.95MHz ~ 12MHz Receiver: 138 KHz ~ 2.8MHz & 5.6MHz ~ 6.95MHz
POTS/ISDN pass filter Spectrum	0 ~ 120KHZ
Power Consumption	CO 5.4W CPE 6W
Environment	Temperature 0 — 50°C (Operating); -20 — 65°C (Storage) Humidity 10 — 90% non condensing
Dimensions(WxDxH)	95mm x 110mm x 24mm
Weight	TBA
Chipset	Infineon

## Application

