



VC-102LT/RT:

4 Band VDSL CO/CPE Modem

Key Features

- Compliant with IEEE802.3 10BASE-T and IEEE802.3u 100BASE-TX standard
- Compliant with ETSI, ITU, ANSI standards
- Support auto speed and 25/15/5M fix mode selectable through DIP switch
- Max 5M/5M distance up to 1.9km (6333ft), 15M/15M distance up to 1.3km(4333ft), and 25M/25M distance up to 800m(2666ft)
- Supports 1 * RJ-11 connector for Ethernet over VDSL
- Supports 1 * RJ-11 connector for telephone/PBX connection
- Supports 1 * RJ-45 port for 10/100 Mbps Ethernet with Auto MDI/MDIX
- Supports 1 * DIP Switch for speed selectable(VC-102LT only)
- Supports long packet size up to 1536 bytes
- Supports POTS/ISDN voice pass and 4wires phone setpass through
- Voice and Data work on the same telephone line
- Spectral compatibility with xDSL, ISDN (2B1Q/4B3T)
- Supports flow control IEEE802.3x for Full Duplex, and back pressure for Half Duplex
- Supports Surge protection
- Provides Power LED and LED indication Link/Active Status for Ethernet port and Link/Speed for VDSL port
- Plug & Play, mini size and metal case for outdoor application

Technical Specifications

Standards

- IEEE802.3 and IEEE802.3u standard
- Compliant with ETSI, ITU, ANSI standards

Interface

- 1 * RJ-45 10/100Mbps Ethernet port
- 1 * RJ-11 connector for EoVDSL
- 1 * RJ-11 connector for telephone connection
- 1 * DIP Switch(VC-102LT only)

Cable Connection

- RJ-45 (Ethernet): Category 3, 4, 5 UTP/STP
- RJ-11 (EoVDSL): Twisted-Pair phone wire

LED indicator

- Power
- Link/Active Status for Ethernet port
- Link/Speed for VDSL port

Hardware Spec

Feature	Detailed Description	
Power Characteristics (External power adapter)	Input	AC 85-240
	Output	DC 5V/1A
	Voltage	50~60Hz
	Power Consumption	VC-102LT: 2.15W VC-102RT: 2.75W
VDSL Frequency Spectrum	VC-102LT	Transmitter: 900 kHz ~ 3.9MHz Receiver: 4MHz & 7.9MHz
	VC-102RT	Transmitter: 4MHz ~ 7.9MHz Receiver: 900 kHz ~ 3.9MHz
POTS/ISDN Pass Filter Spectrum	0 ~ 630kHz	
Ambient Temperature	0 to 40°C	
Humidity	10% to 90%	
Dimensions	24(H) x 110(W) x 95(D) mm	
EMI	Comply with FCC Part 15 Class B and CE Mark Approval VCCI Class B	

Overview

The VC-102LT/RT works as Ethernet to /from VDSL subscriber-site conversion bridge. The VC-102LT/RT uses QAM-based 4-Band VDSL technologies. Which supports 5M/15M/25Mbps per port symmetrical bandwidth over phone

wiring with long driver capable up to 1.9/1.3/0.8Km (6333/4333/2666 feet). The front-panel provides 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 IP DSLAMs over a fix-speed and an auto-speed function. Therefore, VC-102LT/RT supports fix-speed, 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, telecom and point-to-point applications.

Ordering Information

VC-102LT	4 Band VDSL CO Modem with DIP Switch
VC-102RT	4 Band VDSL CPE Modem

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