

HCL VDSL MODEM – LAN EXTENDER

HCL VDSL Modem, HCL-VM-10 integrates isolated LANs spread over miles, using standard twisted pair cable. A high power Digital Signal Processor (DSP) powered hardware using VDSL technology, enables HCL-VM-10 to provide a full duplex data rate of 10 Mbps over a distance of up to 1Km using 0.5 mm UTP wire. In most campuses or premises ordinary twisted pair cables are from the PABX system and the use of HCL-VM-10 saves cost and the labour intensive work of laying optical fibers. HCL-VM-10 offers the best solution for effective interconnection of distributed LANs. The link can be established easily by installation of two HCL-VM-10 boxes, one at each end. HCL-VM-10 comes as LT and NT units. LT (Line Terminal) is used in the central office and NT (Network Terminal) is used at remote location.

Key Features

- **Cost-effective** – HCL-VM-10 provides simultaneous voice and data over the same line without reduction of speed.
- **Enhanced Security & Bandwidth** - HCL-VM-10 automatically learns the MAC addresses on either side and filters the traffic thereby enhancing security and bandwidth.
- **LAN Extender** – HCL-VM-10 bridges two Ethernet LANs isolated up to 1 Km apart using 0.5mm UTP wire.
- **Plug and Play** – HCL-VM-10 is Plug and Play box and works with any operating system and any network software. It is fully compatible with Ethernet and IEEE 802.3 standards.

Technical Specifications

VDSL Interface	<ul style="list-style-type: none"> • Compliance - ETSI VDSL standards • Signal format - QAM modulated • Speed - 10Mbps • Mode of Operation - 2 wire full duplex • Range @ 10 Mbps - 1 Km over 0.5mm copper wire • Connector - RJ-11 • Number of Pairs - One • Indication - Separate LEDs to show Sync status and error condition
Ethernet Interface	<ul style="list-style-type: none"> • Applicable standards - IEEE 802.3 LAN standard • Bridging - IEEE 802.1d • Connector - RJ-45 • Indication - LEDs to show link status data transmit and receive status.

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Technical Specifications...contd.

Voice Interface	• Connector - RJ-11
Power consumption	• 4W (max)
Power Supply	• 13.8V DC
Dimensions	• Width * Depth * Height (192.2mm * 122.8mm * 35.5mm)

Ordering Information

<i>SAP Code</i>	<i>Part Number</i>	<i>Description</i>
CHCDL006	HCL-VM-10 (LT)	HCL VDSL Modem – LAN Extender – LT unit
CHCDL007	HCL-VM-10 (NT)	HCL VDSL Modem – LAN Extender – NT unit

Contact Information

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**** Information subject to change at HCL's discretion**