

# VALIANT COMMUNICATIONS LIMITED



## V.35 to 10BaseT Interface Converter

### Product Brochure & Data Sheet

#### **INDIA**

##### **Valiant Communications Limited**

71/1, Shivaji Marg,  
New Delhi - 110015,  
India

**E-mail:** mail@valiantcom.com

#### **Sold By:**

##### **Aries Telecom and Trading Corp.**

PO Box 85680, Al-Jazeera Al-Hamra,  
Ras Al Khaimah, U.A.E.  
Ph: +971 56 136 1308

**E-mail:** sales@ariestelecom.com

**Website:** <http://www.ariestelecom.com>

#### **U.K.**

##### **Valiant Communications (UK) Ltd**

1, Acton Hill Mews,  
310-328 Uxbridge Road,  
London W3 9QN  
United Kingdom

**E-mail:** gb@valiantcom.com

#### **U.S.A.**

##### **Valcomm Technologies Inc.**

4000 Ponce de Leon, Suite 470  
Coral Gables, FL 33146  
U.S.A.

**E-mail:** us@valiantcom.com

## Product Overview

The **V.35 to 10BaseT Interface Converter** is a high performance self-learning remote Ethernet bridge which converts a V.35 interface to a 10Base-T Ethernet. With a small size and low cost, it is ideal for low cost Ethernet bridge applications.

It can learn the MAC addresses in the linked LAN continuously.

Up to 10,00 MAC addresses can reside in its LAN memory, which are updated automatically. The highest transmitting and filtering rate is 30,000 frames per second (line speed). The buffer is capable of storing 256 frames with a waiting throughput of one frame. When applied as a LAN extender, the bridge has two working status, filtering and not filtering.

## Features:

- Conversion between 10Base-T Ethernet interface and V.35 interface
- User selectable V.35 data rate -  $N \times 64K$  ( $N=1 \sim 32$ )
- Provides three clocking modes for maximum flexibility
- Phase self-adaptation of data transmission and clock
- User defined / User selectable time-slot allocation
- LED indicators to indicate alarms and operating status

## V.35 to 10BaseT Interface Converter

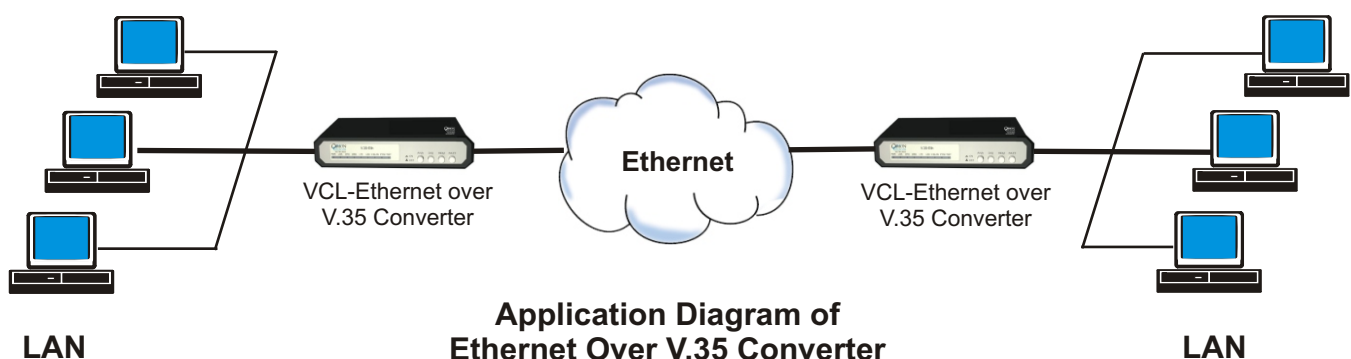


Front View



Rear View

## Typical Application



## Technical Specifications

### 10BaseT Interface Standard

Bit rate	2048Kbit/s (maximum throughput data)
Standard	IEEE802.3
Interface rate	10Mbit/s
Interface type	RJ-45

### V.35 Interface Standard

Bit rate	Adjustable
Clock mode	Internal clock / Line clock / External clock
Code rate	N×64K, user selection of time-slots in E1
Interface type	V.35 / DCE
Electrical character	ITU-T V.35 compliant
Terminal standard	ISO2593 (M34) Connector

### Environment

Power supply	Option of 220V AC or - 48V DC power
Power consumption	≤5W
Operating temperature	-5°C to 50°C
Storing temperature	-40°C to +70°C
Relative humidity	10% to 90% none condensing

### Physical

Standalone (19"/2)	
Dimensions	200mm (Width) × 43.5mm (Height) × 150mm (Depth)
Weight	0.8 kg
Rack type	EIA 19" Inch Rack Mountable Shelf

## Ordering Information

S No.	Part #	Product Description	Qty
1.	VCL-V35-ETH	V.35 to 10Base-T Interface Converter	1

Technical specifications are subject to change without notice.

All brand names and trademarks are the property of their respective owners.

Revision 03 - May 10, 2013

### INDIA

#### Valiant Communications Limited

71/1, Shivaji Marg,  
New Delhi - 110015,  
India

**E-mail:** mail@valiantcom.com

### Sold By:

#### Aries Telecom and Trading Corp.

PO Box 85680, Al-Jazeera Al-Hamra,  
Ras Al Khaimah, U.A.E.  
Ph: +971 56 136 1308

**E-mail:** sales@ariestelecom.com

**Website:** <http://www.ariestelecom.com>

### U.K.

#### Valiant Communications (UK) Ltd

1, Acton Hill Mews,  
310-328 Uxbridge Road,  
London W3 9QN  
United Kingdom

**E-mail:** gb@valiantcom.com

### U.S.A.

#### Valcomm Technologies Inc.

4000 Ponce de Leon, Suite 470  
Coral Gables, FL 33146  
U.S.A.

**E-mail:** us@valiantcom.com