



# **ORION TELECOM NETWORKS INC.**

## **10BaseT to V.35 Interface Converter**

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Product Brochure

## Product Overview

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

It learns the MAC addresses in the linked LAN and keep them updating continuously.

Up to 10,000 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.

The equipment shall be used and installed always in pair and work only in pair, one device at either end.



Front View

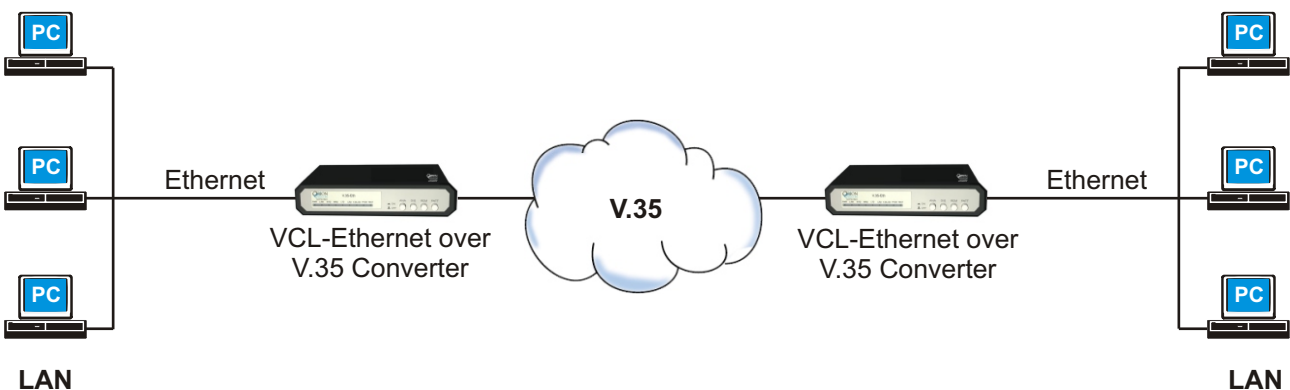


Rear View

## Features

- Conversion from 10Base-T Ethernet to V.35
- User selectable V.35 data rate -  $N \times 64K$  ( $N=1 \sim 32$ )
- Provides internal / loop-timed clocks modes for maximum flexibility
- Configurable clock phase for the receiving clock
- Self test and diagnostic modes
- LED indicators to indicate alarms and operating status
- DTE / DCE selection option for the interfacing equipment.

## Typical Application



## Technical Specifications

### 10BaseT Interface Specification

Standard	IEEE802.3
Interface rate	10Mbit/s
Interface type	RJ-45

### V.35 Interface Standard

Bit rate	Adjustable from 64Kbps ~ 2048Kbps in Nx64 selection mode
Clock mode	Internal clock / Loop-timed
Interface type	V.35 / DTE
Electrical character	ITU-T V.35 compliant
Terminal standard	DB25 (with M34 winchester adapter)

### 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	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-AC	10BaseT to V.35 Interface Converter with AC Input power supply	1
2.	VCL-V35-ETH-DC	10BaseT to V.35 Interface Converter with DC Input power supply	1

**Note:**

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Technical specifications are subject to change without notice.  
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**Headquarters: Phoenix, Arizona**

**Orion Telecom Networks Inc.**

20100, N 51st Ave, Suite B240,  
Glendale AZ 85308  
Phone: +1 480-816-8672  
Fax: +1 480-816-0115  
**E-mail:** sales@oriontelecom.com  
**Website:** http://www.oriontelecom.com

**Regional Office: Miami, Florida**

**Orion Telecom Networks Inc.**

4000 Ponce de Leon Blvd. Suite 470,  
Coral Gables, FL 33146 U.S.A.  
Phone: 1-305-777-0419,  
**Fax:** 1-305-777-0201  
**E-mail:** sales@oriontelecom.com  
**Website:** http://www.oriontelecom.com