

Introduction:

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.



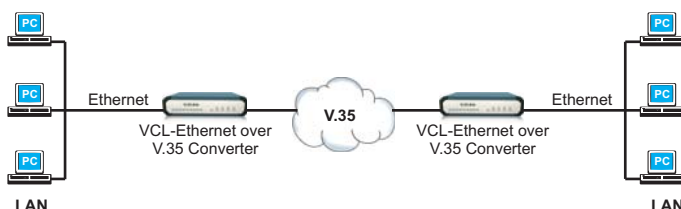
Up to 10,000 MAC addresses can reside in its LAN memory, which are updated automatically. The highest transmitting and filtering rate is 30,000 frames per second (line speed). The buffer is capable of storing 256 frames with a waiting throughput of one frame. When applied as a LAN extender, the bridge 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.

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.

Application:



Technical Features:

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 $N \times 64$ 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	$\leq 5W$
Operating temperature	$-5^{\circ}C$ to $50^{\circ}C$
Storing temperature	$-40^{\circ}C$ to $+70^{\circ}C$
Relative humidity	90% none condensing

Physical

Standalone	(19"/2)
Dimensions	$200 \times 43.5 \times 150mm$ (WxHxD)
Weight	0.8 kg
Rack type	EIA 19" Inch Rack Mountable Shelf

Ordering Information

S No.	Part #	Product Description
1.	VCL-V35-ETH-AC	10BaseT to V.35 Interface Converter with AC Input power Supply
2.	VCL-V35-ETH-DC	10BaseT to V.35 Interface Converter with DC Input power Supply

Technical specifications are subject to change without notice. All brand names and trademarks are the property of their respective owners.

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