



ECV-2302-RJ

VDSL2 Long Reach Ethernet Extender

Introduction

This device is a Long Reach Ethernet Extender with one Ethernet port (on 1 RJ-45 connector) and one VDSL2 port on 1 RJ-11 connector. This extender is a bridge mode modem accommodating well proven Ethernet and VDSL2 technologies to extend Ethernet over single-pair phone line by using a VDSL2 signal. Up to 100/60 Mbps (or 90/90 Mbps with synchronous data rate) transition bandwidth within 300m and 40/10 Mbps for 1km long range connections that provides ultra-high performance to the pervasive telephone line network. Its plug-n-play solution minimum installation time & cost by allowing video streaming and data to share the same telephone pair without interference.

With one DIP switches configuration, the Extender including the CO (Central Office) site and CPE (Customer Premise Equipment) site. It supports high bandwidth VDSL2 over existing telephone wires in the "last mile" from the ISP / Telecom / Service provider's fiber mode to the buildings and customers' home.

Technical Specifications

Standard	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX ITU-T G.993.2 (VDSL2)
Interface	Ethernet: 10/100Base-TX RJ-45 Connector, Auto-MDI/MDI-X ECV-2302: RJ-11 female Phone Jack MAC Address: 2K Transmission Method: Store and Forward
Data Transfer Rate	0 m-100 Mbps 350 m-100/60Mbps 1 km-40/10Mbps
DIP	DIP 1 (Mode): ON=CO, OFF=CPE mode DIP 2-3: OFF-OFF= Annex A-30a(default); OFF-ON= B-30a-997 ON-OFF= Annex A-17a; ON-ON= B-17a-997 DIP 4 (SNR Control): ON=6dB, OFF=9dB
LED	Power, CO, VDSL Link/Negotiation Ethernet Link/Act, Speed, Duplex
Power Supply	Power Adapter: 100~240VAC to DC 12 Volt Output 5.5/2.1mm DC Jack on Board
Power Consumption	4.2 Watt maximum.
Operating Temperature	0 to 45°C
Humidity	10 to 90% RH (non-condensing)
Dimension	102 × 75 × 23 mm (L x W x H)
Weight	0.21Kg
Certification	CE, FCC Class A

Application Note:

