



A Beijing Electronics Group Company

JetCon 2502 Ethernet over VDSL extender
Quick Installation Guide V1.2

Overview

JetCon 2502 is an Ethernet/POTS to VDSL2 (Very High-Rate Digital Subscribe Loop -2) extender and is compliance with ITU-T G.993.2 standard. It allows VDSL2 carriers to deliver Ethernet data up to 100Mbps in both upstream and downstream over existing twisted copper plant.

The converter allow users to compete with wireless and satellite providers by offering outstanding service, such as Video conference, HDTV or Video chatting over a existing telephone copper cable without any configuration, just plug and play.

Package Check List

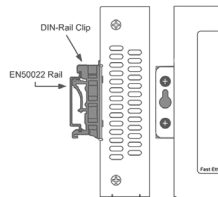
- ▶ JetCon 2502
- ▶ Quick Installation Guide
- ▶ DIN rail mount kit with screws



Installation

Mount the unit

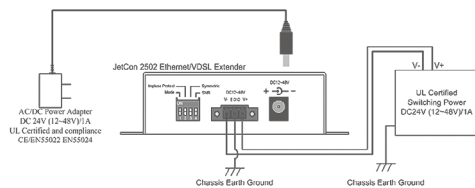
Din-Rail mount: screwed up the DIN-rail clip on the rear of JetCon 2502 and mount on the EN50022 type rail.



Wiring the Power Inputs

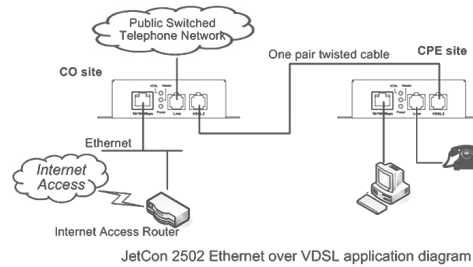
1. Insert the positive and negative wires into the V+ and V- contact on the top side of terminal block connector.
2. Connects the earth ground wiring to the middle conductor of top side terminal block.
3. Tighten the wire-clamp screws to prevent the DC wires from being loosened as below figure.

Notes: The recommended working voltage is DC24V (Acceptable Voltage variation from DC12 to 48V). Recommend uses UL certified switching power supply.



Connecting the VDSL2 network

1. Connect one end of an Ethernet cable into the RJ-45 port of JetCon 2502 while the other end is attached networking device on local (CO) and remote (CPE) site. The RJ-45 supports 100 Mbps Fast Ethernet with auto MDI/MDI-X function.
2. Connecting the POTS line into the RJ-11 line port of local (CO) site JetCon 2502.
3. Connecting the VDSL2 RJ-11 ports of local and remote site RJ-11 connectors to make the VDSL2 connection; once the VDSL2 is connected, the VDSL indicator will start blinking.
4. Connecting the POTS phone to the Line RJ-11 connector of remote site.
5. Pick up remote site POTS phone and check the dial tone is heard from the phone receiver to ensure the Public Switched Telephone Networks has recognized that a phone has gone off-hook, and the switching equipment is prepared to receive the dialed digital tone or DTMF code. The detailed wiring architecture, please refer below figure.



DIP Switch Settings for device configuration

Pin No. #	Status	Description
# 1 Mode selection	On	Central office mode.
	Off	CPE (customer premise equipment) mode. (default)
#2 Impulse protection	On	With long forwarding latency- 6 ms interleave mode.
	Off	With short forwarding latency- 1 ms fast mode. (default)
#3 Symmetric	On	Upstream and downstream with different data forwarding rate.
	Off	Upstream and downstream with same data forwarding rate. (default)
#4 SNR	On	Better channel noise protection-9dB.
	Off	Channel noise protection- 6dB. (default)

Support

5 Years Warranty

Each of Korenix's product line is designed, produced, and tested with high industrial standard. Korenix warrants that the Product(s) shall be free from defects in materials and workmanship for a period of five (5) years from the date of delivery provided that the Product was properly installed and used.

This warranty is voided if defects, malfunctions or failures of the warranted Product are caused by damage resulting from force measure (such as floods, fire, etc.), other external forces such as power disturbances, over spec power input, or incorrect cabling; or the warranted Product is misused, abused, or operated, altered and repaired in an unauthorized or improper way.

Attention! To avoid system damage caused by sparks, please DO NOT plug in power connector when power is on.

The product is in compliance with Directive 2002/95/EC and 2011/65/EU of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronics equipment(RoHS Directives & RoHS 2.0)

Korenix Customer Service

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