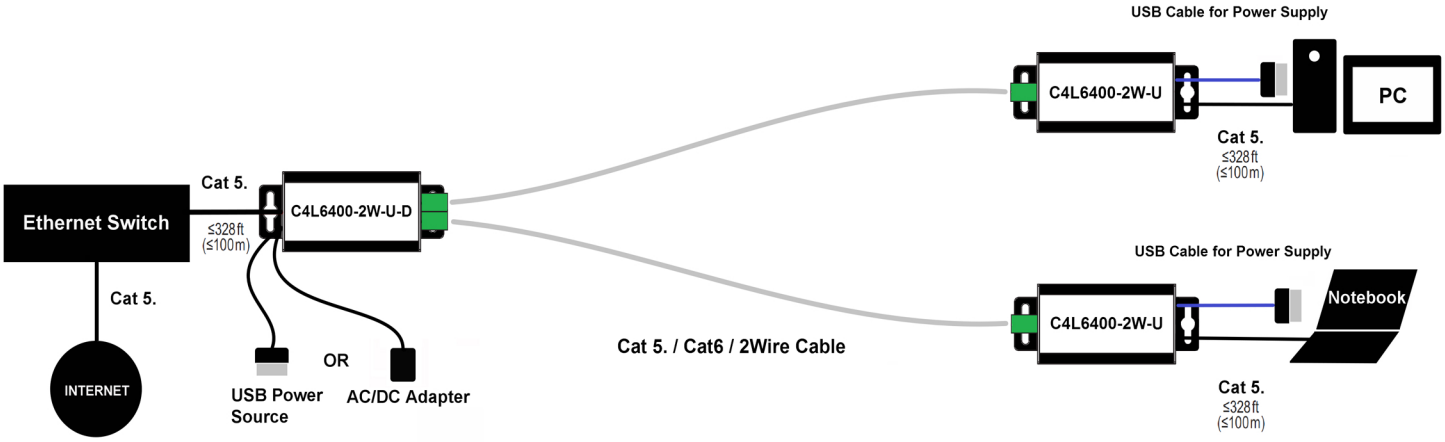
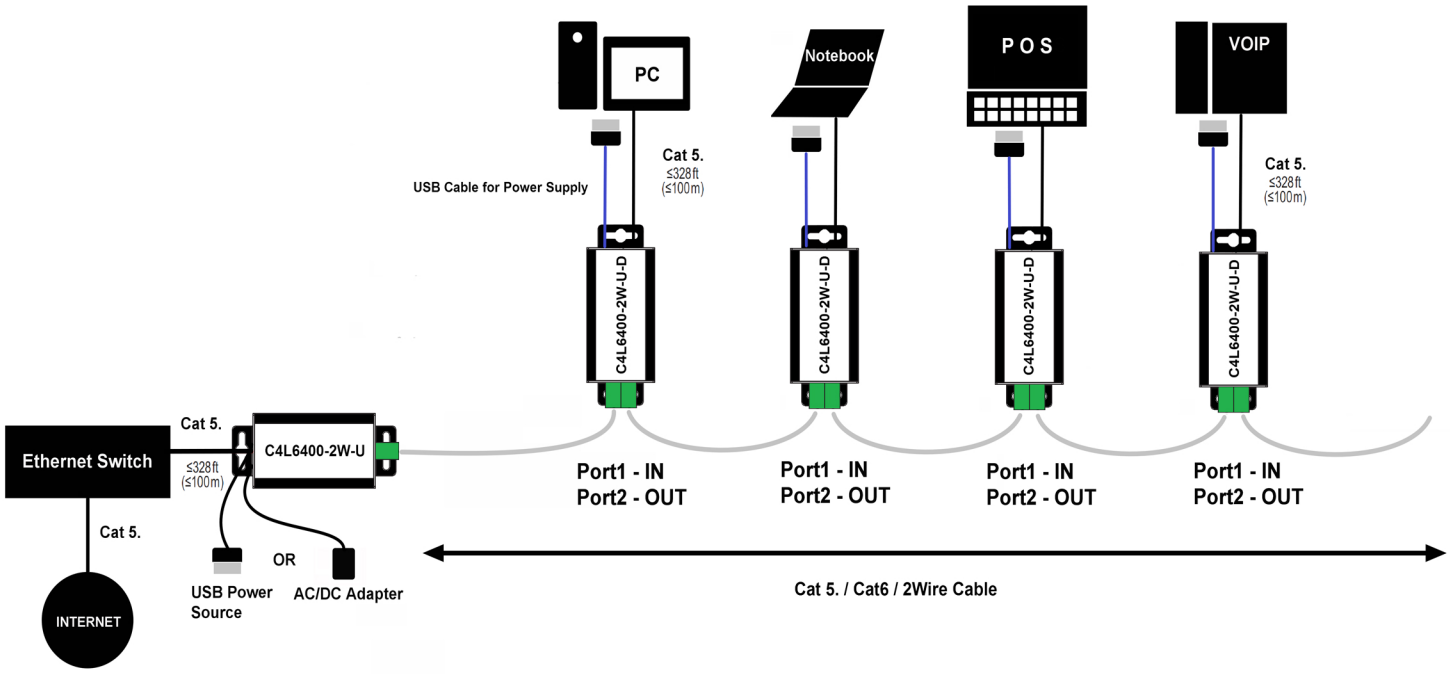
C4L6400-2W-U-D Transceiver Quick Start Guide

C4L6400-2W-U-D Transceiver Typical Application

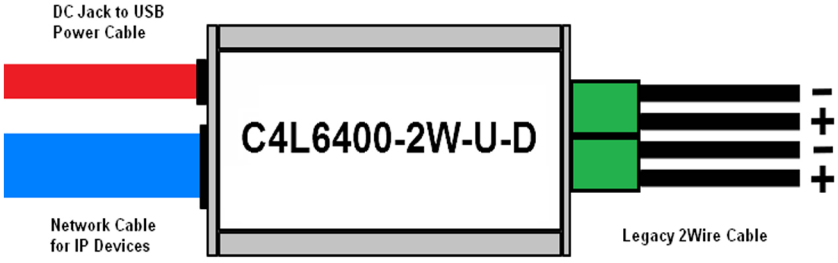


C4L6400-2W-U-D Transceiver Daisy-Chained Application



C4L6400-2W-U-D transceivers are used to extend the Ethernet IP signals via 2Wire cable in the existing 2Wire network in building.
C4L6400-2W-U-D designed to be conveniently powered by any USB port of computer and Notebook so that no extra AC/DC power adapter is required and no AC outlet is needed to get this device powered.
C4L6400-2W-U-D transceiver could reduce the cabling costs to upgrade from the installed analog devices to IP devices (VoiP, POS, Network Printer and IP Camera) with the existing 2Wire cables.
For the other field applications, C4L6400-2W-U transceivers could be applied to connect, distribute and convert the IP devices(PC, Notebook and Wireless AP, etc.) signals via the 2Wire cable with 128bit AES Encryption and guaranteed QoS for loss sensitive application

C4L6400-2W-U-D connection



C4L6400-2W-U-D Installation Steps

Step 1. Hardware Check and Preparation

- Please check the product physical defects. If you find the defects, do not operate the product.
- Prepare 1) Network cable, 2) Legacy 2Wire cable, 3) 5.5x2.1mm DC Plug to USB A Male Extension Cord. (Please check the cable short, Spec. and connection status), 4)'-' Screw Driver

Step 2 . Product Installation

- Use one C4L6400-2W-U-D transceiver at each end of the 2Wire cable.
- Connect the 2Wire network cable to each side of IP devices (PC, Notebook, VoiP and etc.) for operating the entire network system.
- Connect the DC Jack to USB cable to each side of power sources (PC, Notebook, VoiP and etc.) for operating the entire power system.
- All transceivers are in Join Mode. They will find each other and establish basic level encrypted communication.

If you use more than 1 master unit of large installation site, you should follow the Un-joining and joining steps as below.

Un-Joining and Joining Transceivers for Encrypted communication(Optional)

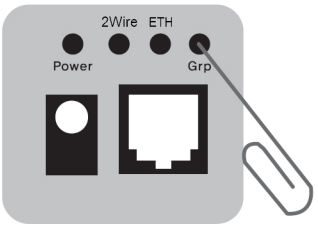
If you want to build enhanced encrypted communication Network Group to another, it must be returned to an un-joined state.

Step 1.Un-Joining mode to build enhanced encrypted network

- Do this by applying power, and pressing the small push-button (Grp) for 10 seconds until the 2Wire and ETH LEDs illuminate and then go out, about one seconds. The transceiver is now ready to be joined to build encrypted Network Group.

Step 2. Joining mode

- For more transceivers in an enhanced encrypted network, disconnect the joined transceiver from grouped 2Wire cable and connect the new un-joined transceiver.
- On the new un-joined transceiver, momentarily depress the small push-button(Grp) using the straightened paper-clip. The ETH LED will blinking.
- Depress the small push-button(Grp) on the any transceiver within existing encrypted Network Group.
- Both transceivers are now in Joining mode.
  They will find each other and establish encrypted communication.
  In about 10 seconds, the 2Wire LEDs on both transceivers will illuminate (blinking or steady on), indicating a successful Join.



Step 3. Adding Transceivers (if required)

- Disconnect one of the transceivers and replace it with a new un-joined transceiver.
- Repeat step 2 to add additional transceivers to the same Network Group.

C4L6400-2W-U-D Installation Warnings

- Do not use the transceiver near the harsh (temperature, humidity, cabling quality) installation site.
- If transceiver flooded by water or other liquid materials, please turn off the power source and disconnect all of cables from transceiver. And request to C4Line technical team for after service asap.
- Do not use transceiver over 120°F (50°C) temperature condition for transceiver's operation performance and lifetime.
- Do not disassemble transceiver at a person's service.

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