

USB to CAT5/5e/6/7 Extender

PART # TRANSMITTER - CEUSB Tx 4103.C / PART # RECEIVER - CEUSB Rx 4103.C



*Innovators in
Audio Video Integrations*



Product Introduction

Creative CE USB 4103.C series of USB to CAT5 Extenders, Extend USB Signal > 50mtrs using a single common UTP cable from the location of your computer or any other USB Device. This device is an extension cable between USB device and host (computer) with embedded into connector “intelligent” integrated circuits on both sides of the cable. These units are designed to work in pairs using a USB-to-CAT5 Transmitter (Tx) and a CAT5-to-USB Receiver (Rx) to extend the USB signal.

Application / Device Support

These pairs are compatible to a vast field of USB 1.1 devices like: PC Mouse / Keyboard / Pen drive / Printers / Scanners / Surveillance cameras / USB Support Mobile phone, Its an optimized solution for these devices.

Advanced Features

- Extends any USB 1.1 device up to 50 meters using CAT-5 cable
- RJ45 Sockets with LED shows presence of Power and Signal.
- Host Powered – Usually no external power adapter is required
- Provision for External 5V Power if high-current is need for the Rx device
- Contains internal USB hub
- Provides support for any full-speed 12 Mb/s or low-speed 1.5Mb/s USB 1.1 device
- Use either PC or Mac with USB keyboard/mouse
- Cable: Cat 5, Cat 5e, Cat 6, and Cat 7 compatible
- Sold in pairs

Technical specifications

- USB device support: full-speed 12 Mb/s Low-speed 1.5 Mb/s
- USB Input Connectors: type B
- USB Output Connectors: type A
- Link Connector: RJ-45 unshielded with LED
- Operating Temperature: +4 to 40 deg C
- Dimensions: **W** = 78mm x **H** = 28mm x **D** = 45mm
- Product Weight: 346 gr. (.762 lbs)
- Fully HID Compliant

Creative Electronics

415, Sector 15—A, Faridabad 121007, Haryana, (INDIA)

Mobile: +91 9818899863, Office: +91 129-4006883, Web: www.creative4integrations.com, Email: Naveen@creative4integrations.com

Technical Specifications

USB Input/output put for Tx Unit

Number / Signal Type	1 USB
USB Input Connectors	USB Type B Female
CAT5 Output connector Standards	RJ-45 with Yellow Green indicator LEDs . Showing presence of Power and synchronisation Full-speed 12 Mb/s or low-speed 1.5Mb/s USB 1.1 device
Out put	CAT5/5E/6/7
Cable Length	Upto 50Mtr CAT5
USB Compatibility	USB 1.1
CAT5 Cable Type	Cat 5, Cat 5e, Cat 6, and Cat 7 compatible

USB input Output For Rx Unit

Input Signal Type	CAT5
Number of Signal	1
Connectors	RJ-45 R/A Unshielded with Yellow Green LEDs Showing presence of Power and synchronisation
Output Signal Type	USB
USB Output Connector Type	USB Type A Female
Standards	Full-speed 12 Mb/s or low-speed 1.5Mb/s USB 1.1 device

General

Power	Does not need Power. Provision for External power , 5v DC @ 1amp at Rx unit for high-current devices .
Environmental	Storage Temp - 0 to 50° C
Mechanical	Size: 3x1.75x1 inch (78x45x27mm)
Shipping Weight	Shipping Weight: ~1.0 Lbs (0.45kg)
Warranty	1 year with parts and labor
Enclosure type	MS with powder coating
Indicators	Power: Green LED in RJ45 (CAT5) connector. At both end (Tx and Rx) Locked: Yellow LED in RJ45 (CAT5) connector. At both end (Tx and Rx)
CAT5 Cable	Connector: RJ45 8/8; Standards: CAT5/CAT6 UTP low skew type; Length: Up to 50m at USB 1.1 transmission rates

Cat 5 Cable Pin Connectivity

Wiring standard for terminating CAT 5 Cable using RJ45 connector:

Pair 1	Pins 1 & 2	Pair 2	Pins 3 & 6
Pair 3	Pins 4 & 5	Pair 4	Pins 7 & 8

Connecting USB Signal to Transmitter Tx

Connect the output of the computer through USB port to input of the Transmitter Unit with USB Type B cable

Connecting CAT5 Signal to Tx and Rx Unit

Connect CAT5 output of the Tx Unit with CAT5 Cable to Rx Unit as per the prescribed PIN Configuration

Connecting Rx output to Computer

Connect USB output of the Rx Unit using USB type A Cable