



- ▶ Extends USB2.0 devices up to 330ft (100m) over a single CATx cable
- ▶ Supports transparent USB extension at speeds up to 480Mbps
- ▶ Support for new USB3.0 host controllers and devices
- ▶ Integrated 4-port hub supports up to 26 USB devices at the receiver end
- ▶ A true plug-and-play device with no controllers, configuration or software required

Features and Benefits

- Supports CATx cable distances up to 330 feet (100 meters) at speeds up to 480Mbps
- Uses a dedicated solid core CATx cable, CAT5e, or better
- Operates with all USB1.1/USB2.0 hosts and with USB3.0 hosts at up to 480Mbps
- Plug and play, no software drivers or system configuration required
- Supports all major Operating Systems: Windows®, MAC OS X®, Linux®
- Supplies up to 600mA power on each receiver port concurrently
- Rackmount options include brackets, plates, rack shelf and DIN rail mounting
- Robust ESD and EFT immunity for industrial environments
- Receiver unit includes one external power supply, the transmitter unit is powered from the host USB port
- Made in North America

Product Overview

The CrystalLink USB2.0 CATx is a versatile extender device that can be used in a variety of applications. It is a great way to locate your peripherals where they are convenient to the user or to secure the USB host computer from unwanted access, noise, vibration and heat

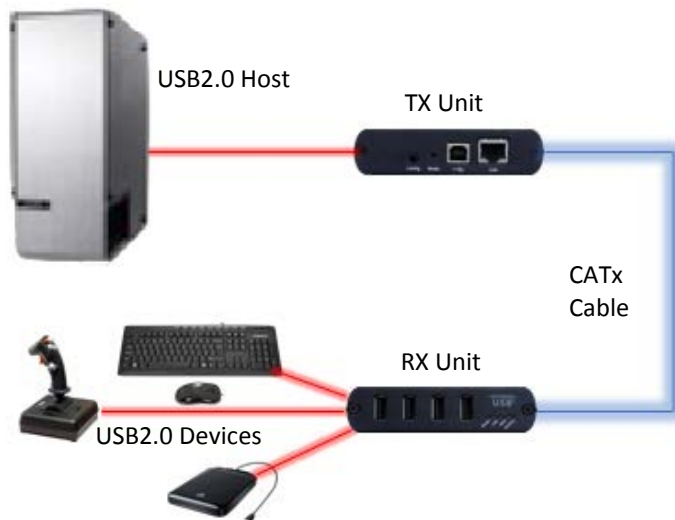
Individual USB devices such as a keyboard, mouse, touchscreen, disk drive, printer, joystick, hard drive, or other devices can be located at distances up to 330 feet (100 meters) from the host computer. Up to 26 USB devices can be connected using four self-powered USB hubs.

The CrystalLink USB2.0 CATx extension system consists of two units: a transmitter and a receiver. The Transmitter connects directly to your CPU's USB port. The Transmitter and Receiver are linked via CATx solid core cable and your USB devices are directly connected to the Receiver unit.

For added versatility, the CrystalLink USB2.0 CATx can be used to connect multiple remote USB devices through a KVM switch to a number of host computers.

Several cabinet rackmount and table mount options are available.

Typical Application



The CrystalLink USB2.0 CATx is ideal for use in commercial, industrial, residential, medical, data center, and other environments where multiple USB devices need to be connected at distances up to 330 feet (100m) away from a host PC.

Cable requirements The CATx extension cable can be CAT5e, 6, or 7 UTP/STP cable. The product performance is optimized for use with solid core cable. Stranded (patch) cable and the use of patch panels will reduce the maximum operational distance. STP cable with grounded metal hoods is recommended.

Installation The CrystalLink USB2.0 CATx extender is simple to install. Connect the transmitter device to a free USB port on the host PC. Connect the transmitter and receiver units together with the CATx link cable and then connect your USB devices to the receiver end. Do not use CrystalLink USB2.0 CATx between buildings or for outdoor extension requirements.

Adding USB hubs To connect more than 4 devices at the receiver end, just add a powered USB hub to one of the available ports. Up to four hubs can be added with a maximum of 26 attached USB devices. The available current on the receiver unit is 600mA on each port concurrently.

USB device operation When the host PC is powered on and a USB device is connected to the Receiver unit, the USB device recognition and installation process should be displayed on the monitor. If the USB device does not install correctly, then make sure that the latest USB driver is installed on the host PC.

Specifications

Dimensions	3.9" x 3.0" x 1.0" (100 x 76 x 26mm)
Weight	2.0 lb (0.9 kg)
Power	100-240 VAC 50-60Hz One external +24V DC, 1A for receiver unit only, Transmitter is USB powered
Receiver current	600mA per port concurrently
Distance	330ft (100m) over a single CATx cable
USB host	EHCI (USB 2.0) and OHCI/UHCI (USB 1.1) USB3.0 host supported at up to 480Mbps
USB hubs	Up to four USB hubs and 26 devices total
USB speed	High-Speed (USB 2.0) at 480Mbps Full-Speed (USB 1.1) at 12 Mbps
Connectors	Transmitter: USB host: USB Type B connector Link: RJ45 jack Receiver: USB device: 4 x Type A connectors Link: RJ45 jack
Link cable	CATx, UTP/STP, EIA/TIA 568A/B CAT 5, 5e, 6, 7, solid core cable preferred
Status LED's	Power (blue), Link (green), Host (green), Activity (amber). Same LED's on TX and RX
Environment	Operating temp: 32°F – 122°F (0°C – 50°C) Storage temp: -4°F – 158°F (-20°C – 70°) Rel. humidity: 20% – 80%, non-condensing
Approvals:	FCC (Class B), CE (Class B), RoHS2 (CE)

Part numbers

CLK-4U2TPB-100M	CrystalLink USB2.0 Flex-Power Kit, Transmitter, Receiver, and power supply
CLT-1U2TPB-100M	Transmitter unit only
CLR-4U2TPB-100M	Receiver unit only
CAB-USBAB005	USB-AB cable, 6ft (2.0m)
CAB-USBAB010	USB-AB cable, 10ft (3.0m)

WWW.ROSE.COM ▪ **sales@rose.com** ▪ **(800) 333-9343**

Rose Electronics ▪ 10707 Stancliff Road ▪ Houston, Texas 77099
Rose USA (281) 933-7673 ▪ Rose Europe +49 (0) 2454 969442
Rose Asia +65 6324 2322 ▪ Rose Australia +61 (0) 421 247083

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