



CrystalLink USB2.0/Dual-Port

- Supports CATx cable distances up to 330 feet (100 meters), at speeds up to 480Mbps.
- High-speed (480 Mb/s) (USB 2.0)
Full speed (12 Mb/s) (USB 2.0 & 1.1)
Low speed (1.5 Mb/s) (USB 2.0 & 1.1)
- Unique single-power device. The system delivers power to the receiver unit over the CATx extension link.
- Uses standard solid core CATx cable, CAT5e or better. STP cable can also be used.
- Operates with USB1.1 and USB2.0 hosts.
- Plug and Play. No software drivers required
- Supports all major Operating Systems: Windows®, MAC OS X®, Linux®.
- Receiver unit supplies up to 500mA power to each USB2.0 port.
- Attach up to 4 powered USB hubs for additional remote USB device support.
- Robust ESD and EFT immunity for industrial environments.
- Made in North America.



USB2.0 Dual-Port CATx Extender

- Extends two or more USB1.1 and USB2.0 devices up to 330ft (100m) over CATx cable.
- Supports USB devices at speeds up to 480Mbps.
- Power required at local end only.
- Add a powered-USB Hub to increase the number of remote USB devices supported.
- Robust ESD/EFT immunity for industrial environments.
- Uses a single solid-core CATx cable.

Product Overview . . .

The **CrystalLink USB2.0/Dual-Port** is a versatile extender device that can be used in multiple different applications. It's an essential tool for any business or enterprise, commercial or industrial that may need to extend USB1.1 or USB2.0 devices on a temporary or permanent basis.

The **CrystalLink USB2.0/Dual-Port** extends two USB2.0 ports up to 330 feet (100 meters) over CATx UTP/STP cable. Individual USB devices such as a Keyboard or Mouse, disc drives, scanners, printers or USB joysticks can be extended away from the host PC using the **CrystalLink USB2.0/Dual-Port** extender. Additional USB devices can be connected using a powered USB hub. Up to 4 powered hubs can be cascaded at the remote end.

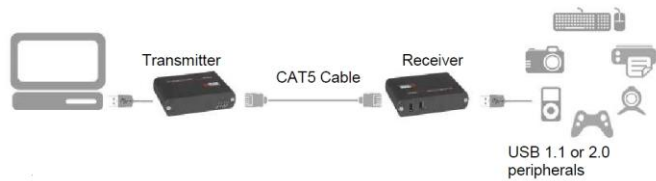
The **CrystalLink USB2.0/Dual-Port** extension system consists of two units, a transmitter and a receiver. The transmitter connects directly to your CPU's USB port. The transmitter and receiver are linked via CATx solid core cable and your USB device is directly connected to the receiver unit.

Only one external power supply on the transmitter unit is required to operate this device.

CrystalLink USB2.0 Applications . . .

The **CrystalLink USB2.0/Dual-Port** is ideal for use in commercial or industrial environments, or in a computer room where USB devices need to be connected at long distances away from a host PC.

Installing CrystalLink USB2.0/Dual-Port:



The **CrystalLink USB2.0/Dual-Port** extender is simple to install. Connect the transmitter device to a free USB port on the host PC. Connect the transmitter and receiver units with the CATx link cable, and then connect two USB devices to the receiver end.

A power supply is included for the transmitter unit. The system delivers power to the connected receiver unit via the CATx link cable.

Adding USB Hubs: If you need to connect more than 2 USB devices at the receiver end, simply add a powered USB hub. Up to 3 Hubs can be added in a chain with a maximum of 11 attached USB devices. The USB port on the receiver units outputs 500mA power.

USB Device Operation: When the host PC is powered on and a USB device is connected to the Receiver unit, the USB “device recognition/installation” process should be displayed on the monitor. If the USB device does not install correctly make sure the latest USB driver is installed on the host PC.

CATx Cable Requirements: The CATx extension cable can be CAT5e, 6 or 7, UTP/STP cable. The **CrystalLink USB2.0/Dual-Port** 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.

Do not use **CrystalLink USB2.0/Dual-Port** between buildings or for outdoor extension requirements.

Part Number:

CrystalLink USB2.0/Dual-Port CLK-2U2TP-100M

Specifications:

Dimensions	Width	Length	Height
Transmitter (in/mm)	3.94 / 100	2.99 / 76	1.02 / 26
Receiver (in/mm)	3.94 / 100	2.99 / 76	1.02 / 26

Distance:	USB2.0 330ft (100 metres)
USB Device Support:	High-speed (USB2.0) at 480Mbps Full-speed devices (USB1.1) at 12Mbps Low-speed devices (USB1.1) at 1.5Mbps
USB Hub Support:	Supports up to 3 USB Hubs & 11 devices
USB Host Support:	EHCI (USB2.0) and OHCI/UHCI (USB1.1)
Local Connectors:	1* USB Type B, 1*RJ45
Remote Connectors:	2* USB Type A (F) 1*RJ45
Interconnect Cable:	RJ45 – CATx, UTP/STP, EIA/TIA 568A/B CAT 5, 5e, 6, 7. Solid cable
Power:	100/240VAC, 50/60Hz, 24VDC / 1A (24W) Power input at transmitter end only
Max Current at RX:	2x 500mA at the Receiver
Environmental:	Temp - 32 °F - 122°F (0°C – 50°C) Humidity: 20%-80%, relative humidity, non-condensing
Approvals:	FCC, CE, ESD, RoHS



Transmitter Unit (front and back)



Receiver Unit (front & back)