CrystalLink USB2.0/Flex-Power

- Extends USB1.1 and USB2.0 devices up to 330ft (100m) over CATx cable.
- Supports all USB devices at speeds up to 480Mbps.
- Ability to provide power at one 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.

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- Supports CATx cable distances up to 330 feet (100 meters), at speeds up to 480Mbps.
- Unique Flex-Power feature requires only 1 external power supply at one-end. For user convenience, the power can be applied at either the transmitter or the receiver end.
- 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®.
- Remote extender provides up to 500mA power to a single attached USB device.
- Attach up to 4 powered USB hubs for additional remote USB device support.
- Mounting slots are on both units – allowing rack mounting using cable tie wraps.
- Robust ESD and EFT immunity for industrial environments.
- Made in North America.

Product Overview

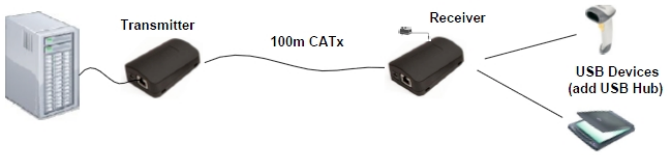
The ***CrystalLink USB2.0/Flex-Power*** is a versatile extender device that can be used in multiple different applications. It's an essential tool for any business or enterprise, commercial or industrial that may need to extend USB1.1 or USB2.0 devices on a temporary or permanent basis.
The ***CrystalLink USB2.0/Flex-Power*** extends up to 330 feet (100 meters) over CATx UTP/STP cable. Individual USB devices such as a Keyboard or Mouse, USB disc drive, USB Printer or USB Joystick can be extended away from the host PC using the ***CrystalLink USB2.0/Flex-Power*** 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/Flex-Power*** extension system consists of two units, a transmitter and a receiver. The transmitter connects directly to your CPUs' 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 is required to operate this device.

CrystalLink USB2.0 Applications

The ***CrystalLink USB2.0/Flex-Power*** 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/Flex-Power



The ***CrystalLink USB2.0/Flex-Power*** 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 one USB device to the Receiver end.
Depending on the power distribution at the installation site, a single power adapter can be connected to either the transmitter or receiver unit. Power is then transmitted along the CATx cable to the un-powered unit.

Adding USB Hubs If you need to connect more than 1 USB device at the Receiver end, simply add a powered USB hub. Up to 4 Hubs can be added in a chain with a maximum of 10 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/Flex-Power*** 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/Flex-Power*** between buildings or for outdoor extension requirements.

Specifications

Dimensions	Width	Length	Height
Transmitter (in/mm)	**2.25 / 57**	**3.35 / 85**	**1.10 / 28**
Receiver (in/mm)	**2.25 / 57**	**3.35 / 85**	**1.10 / 28**

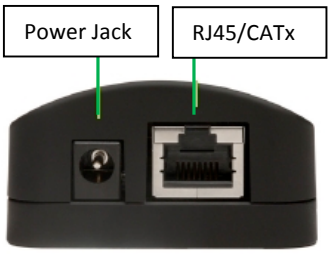
Distance	USB2.0 330ft (100 metres)
USB Device Support	High-speed (USB2.0) at 480Mbps Full-speed devices (USB1.1) at 12Mbps Low-speed devices (USB1.1) at 1.5Mbps
USB Hub Support	Supports up to 4 USB Hubs in a chain.
USB Host Support	EHCI (USB2.0) and OHCI/UHCI (USB1.1)
Local Connectors	1* USB Type B, 1*RJ45
Remote Connectors	1* 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 one end only
Max Current at RX	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, ICES003-Class A

Part Number

CLK-1U2TP-100M/FP	**CrystalLink USB2.0/Flex-Power**

Transmitter Unit

Receiver Unit



Transmitter and Receiver Units

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