CrystalLink USB3.1

- ► USB3.1 Gen 1 data rate up to 5Gbps
- ► Supports all USB 3.1, 2.0, 1.1 devices simultaneously at full bandwidth
- ► Single CAT6a/ CAT7 cable, up to 330ft (100m) and multimode fiber up to 660ft (200m)
- ► 100/1000 Ethernet channel, LAN pass-through
- ► Point-to-point connection

Features and Benefits

- Extends USB 1.1, USB2.0 and USB3.1 devices beyond the standard 3m cable limit, point-to-point connection, up to 330ft (100m) using CAT6 cable or 660ft (200m) using multimode fiber.

- Supports all USB1.1, USB2.0 and USB3.1 Gen 1 devices simultaneously at full 5Gbps bandwidth.

- Four available USB-A Gen 1 ports on the receiver unit, each with 1.5A power. Expandable to 30 ports with the use of USB hubs

- One 100/1000 Ethernet channel for LAN pass-through.

- Optimum performance with CAT6a and CAT7 (solid core) UTP/STP cabling.

- Plug-and-Play installation, no configuration, driver installation or set-up required.

- Supports all major operating systems: Windows®, Mac OS X® and Linux®.

- Transmitter and Receiver units require a +24VDC power adapter (included).
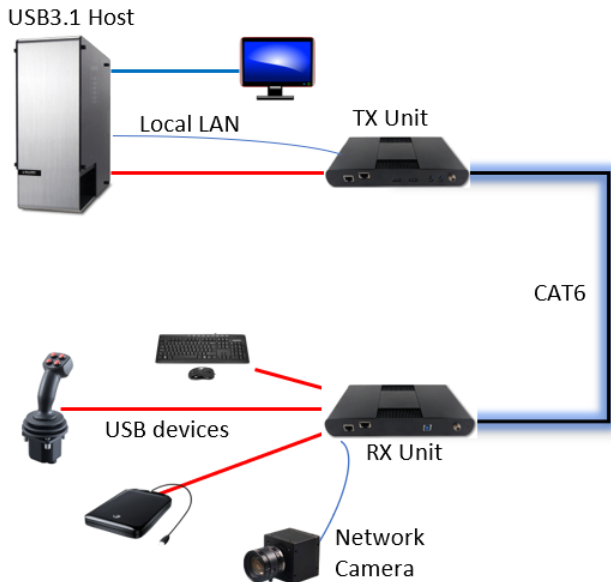
Product Overview

The CrystalLink USB 3.1 extender is a professional and industrial grade extender, ideally suited for remote and secure operation at USB3.1 data rates while simultaneously supporting backward compatibility with USB1.1 and USB2.0 devices at their respective data rates. This extender can support a combination of USB peripherals such as USB3.1 cameras, USB2.0 hard drives and USB1.1 keyboard and mouse over a single CAT6 cable at distances up to 330ft (100 meters) or 660ft (200m) using multimode fiber.

This high-performance USB 3-2-1 extender is ideal for locating various USB workstation devices in safe and secure operating environments, conveniently away from any hazardous host device location.

Data transmission is point-to-point, using a single CAT6a/7 UTP/STP solid core cable or multimode fiber cable with duplex LC type connectors. The connection of network enabled host devices is another feature of this high-performance extender that also supports transparent USB extension, plug-and-play with no software drivers required and compatibility with all major operating systems.

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Typical Application

The USB3.1 extender cable is designed for use in environments which may be hazardous, in boardrooms or medical facilities.

Installation   Connect the transmitter to your computer or host device USB port. Connect the peripheral USB devices to the receiver unit. If there are more than four USB devices to connect, use a powered USB hub to expand the number of remote USB ports. Connect the transmitter to the receiver with up to 330ft (100m) of CAT6 cable. Use of CATx patch cables will significantly reduce the operating performance of the product. Apply power and the installation is complete.

USB Support   The CrystalLink USB 3.1 features 4 USB Gen 1 ports that enable the simultaneous connection and operation of USB1.1, USB2.0 and USB3.1 Gen 1 devices, up to the full 5Gbps bandwidth. The remote unit provides 1.5A of power for each USB port.

Ethernet Pass-Through   The product features an RJ45 100/1000 Ethernet pass-through port for connecting to network enabled devices, or to use existing LAN infrastructure without losing LAN connectivity.

Specifications

Dimensions (W × D × H)	9.1" × 5.4" × 1.3" 232mm × 137mm × 33mm
Packaged weight	5.87 lbs (2.67Kg)
Power	100-240VAC, 50/60Hz Local: 24VDC, 1A, locking jack Remote: 24VDC, 2.71A, locking jack 1.5A per USB port, 5A total shared
CATx cable type	CAT 6a/CAT 7 solid core
CATx cable distance	Up to 330ft (100m). For USB3.0 storage devices, up to 165ft (50m)
Fiber cable distance	Multimode fiber with LC type connectors, up to 660ft (200m)
USB speeds	Super-speed 5Gbps, high-speed, full-speed, low-speed
USB host support	OHCI, UHCI, EHCI, xHCI controllers
Max USB devices	30 remote USB devices
LED Indicators	Power, status, link, USB2, USB3
Connectors	Transmitter: 1 × USB3.1 type B connector 1 × RJ45 ethernet 100/1000 port 1 × ethernet RJ45 link port 1 × LC duplex fiber (fiber model) 1 × 24V locking power connector 1 × Mini USB config port Receiver: 4 × USB3.1 type A connectors 1 × RJ45 ethernet 100/1000 port 1 × LC duplex fiber (fiber model) 1 × ethernet RJ45 link port 1 × 24V locking power connector
Environment	Operating temp: 32°F – 113°F

Part numbers

CLK-4U321/TP	CrystalLink USB3.1 Extender , CATx
CLK-4U321/FM	CrystalLink USB3.1 Extender, Multimode fiber
RM-UD/nnn	Shelf, wall or under desk bracket