CrystalLink USB-3-2-1Fiber

USB3.1 GEN 1 FIBER EXTENDER

- ► USB3.1 Gen 1 SuperSpeed data rates up to 5Gbps
- ► Supports all USB 3.1, 2.0, 1.1 devices simultaneously at full bandwidth
- ► Multimode fiber, OM3 Duplex LC cable, up to 656ft (200m)
- ► Four USB3.1 Gen 1 receiver ports for device access
- ► Ethernet 100/1000 pass-through for connecting network enabled devices
- ► Point-to-point connection

Features and Benefits

- Extends USB3.1, USB2.0, and USB1.1 devices up to 656ft (200m) using an OM3 Duplex LC multimode fiber optic cable

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

- Four USB3.1-A Gen 1 ports on the receiver unit, each with 1.2A power

- Attach up to 3 powered hubs for additional remote USB device support

- Expandable to 30 ports with the use of USB hubs

- One 100/1000 Ethernet channel for transparently extending your network

- 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-3-2-1 Fiber 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 an OMS Duplex LC multimode fiber optic cable.
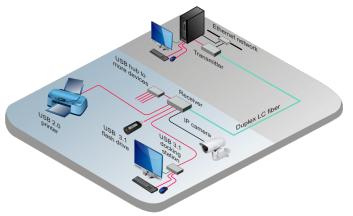
This high-performance USB-3-2-1 extender is ideal for locating various USB workstation devices in safe and secure operating environments, conveniently away from any hazardous host device location.

Data transmission is point-to-point up to 656ft (200m). 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 USB3-2-1 extender cable is designed for use in hazardous environments, conference rooms, auditoriums, hospitality, medical, military, industrial, and other 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 656ft (200m) of multimode fiber optic cable. Use of fiber patch cables may reduce the operating performance of the product. Apply power and the installation is complete.

USB Support   The CrystalLink USB-3-2-1 Fiber extender features four 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 1.2A of power for each USB port.

Ethernet Pass-Through   The product features an RJ45 100/1000 Ethernet pass-through port for the connection of network enabled devices, or to use existing LAN infrastructure.

Part numbers

CLK-4U321FM-200M	CrystalLink USB-3-2-1 Fiber Extender
RM-UD/CLK321	Shelf, wall or under desk bracket

Specifications

Dimensions (W × D × H)	9.1" × 5.4" × 1.3" 232mm × 137mm × 33mm
Weight	5.87lbs (2.67Kg)
Power	100-240VAC, 50/60Hz Local: 24VDC, 1A, locking jack Remote: 24VDC, 2.71A, locking jack 1.2A per USB port, 5A total shared
Cable type	Multimode fiber 50/125µm OM3 grade cable with LC connectors
Cable distance	Up to 656 feet (200 meters) over OM3 cable
USB speeds	SuperSpeed 5Gbps, high-speed, full-speed, low-speed
USB host type	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 × Duplex Fiber LC 1 × 24V locking power connector Receiver: 4 × USB3.1 type A connectors 1 × RJ45 ethernet 100/1000 port 1 × Duplex Fiber LC 1 × 24V locking power connector
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, CE, ICES-003, RoHS2, WEEE

Transmitter front

Transmitter back

Receiver front

Receiver back