

## Model 4131 Versalink (POF) Fiber-to-USB Converter

- Allows Connection of Versalink (POF) Fiber Optic Linked Terminals to USB Host Port of Controller.
- Applicable to Fiber Optic Communications for Medical Imaging Applications.
- Extends the range of USB interface connection.

### Models 4131 Application

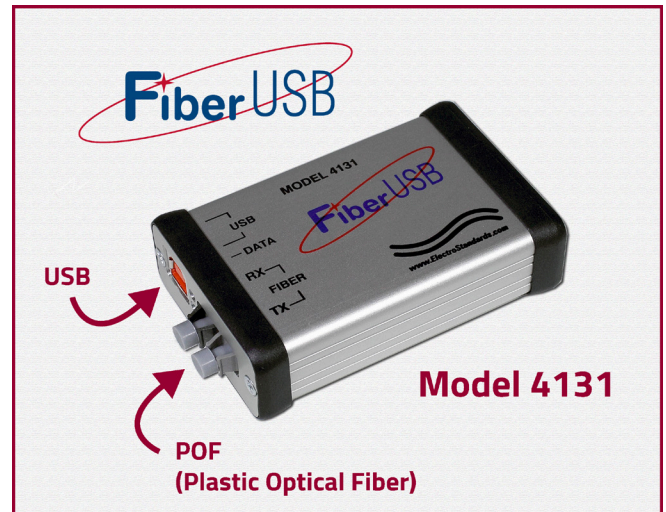
The Model 4131 **Versalink (POF) Fiber-to-USB** Converter provides the user with an elegant solution to connecting a fiber optic network of terminals to a controller with a USB Interface port. While USB is a versatile communication standard, conversion to a fiber optic communication standard also allows data transmission that is no longer susceptible to electrostatic or electromagnetic fields. Additionally, the ports of the connected terminals are protected from damage by potential differences (ground variations) that often exist between them.

### FiberUSB Features:

- Converts Universal Serial Bus (USB 2.0) Communications to **Versatile Link plastic optical fiber (POF) core cable.**
- Provides full galvanic isolation (no metal connection) between connected devices.
- Full duplex fiber connection between two devices having USB Host Interface ports.
- Allows the interference-free fiber optical transfer of data to be utilized by the device having a USB Host Interface.
- **USB 2.0 Full-Speed Data transfer rate up to 12 Mbps.**
- Fiber connections via two standard Versatile Link connectors.
- Maximum Link Distance: greater than 500 meters (1649 feet) with 200 mm Hard Clad Silicon fiber cable
- RS232 Transmission Distance: at 19.2 Kbps, 500 feet using low capacitance cable.
- Status LEDs display RXD and TXD data activity.

Versatile Link Plastic Core Cables	
Catalog Number	Length
986625-010	10 Feet
986625-020	20 Feet
986625-XXX	Length in Feet

USB Type B Connector		
USB Pin #	Signal	Signal Direction
1	+5V	Power (Input)
2	D-	Bi-Directional
3	D+	Bi-Directional
4	GND	Power (GND)



### FiberUSB Specifications:

**Host Interface USB Full-Speed Data Transfer rate up to 12 Mbps.**

**Fiber Transmission Distance:** 75 m (250 ft.) using TC 1000 W type plastic fiber cable.

**Plastic Optical Fiber Connectors:** (2) Versatile Link, One TX, One RX.

**USB Connector:** (1) USB Type B Connector

**Optical Wavelength:** 660 nm (red).

**No External Power Supply required.** Unit is USB port powered.

**Dimensions:** 2.24" x 1.11" x 3.56" (5.7 x 2.9 x 9.7 cm).

**Weight:** 0.2 Lb. (90.5 grams).

**Status Display:** RXD - Red LED, TXD Green LED.

