

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 **Versalink (POF) Fiber-to-USB** Converters are used to connect fiber optic linked terminals to a controller having a USB Host 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) Communication Interface to **Versatile Link plastic optical fiber (POF) core cable.**
- Provides full galvanic isolation (no metallic connection) between connected devices.
- Full duplex connection between Versatile Link fiber optic interface devices and USB devices with a USB Host Interface.
- Allows the interference-free fiber optical transfer of data to be utilized by the device having a USB Host interface.
- **Host Interface USB Full-Speed Data Transfer rate up to 12 Mbps.**
- Fiber connections via two standard Versatile Link (POF) connectors.
- Maximum Link distance: greater than 500 meters (1640 feet). with 2.00 mm Hard Clad Silicon fiber cable.



**Model 4131
(USB connector)**

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: 5.5" x 2.25" x 1.0" (139mm x 57mm x 25mm).

Weight: 0.5 Lb. (226 grams).

Status Display: Red LED.

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)

