



KEY FEATURES

- Supports USB 1.1 over fiber
- Fits into any assembly
- Self powered from the USB port
- Fiber LC style connector
- Link/Activity LED
- Available with industrial temp range
- RoHS compliant

The VT080 converts the USB copper interface into a fiber interface which permits extended USB range beyond the typical 5 meter limit. The VT080, in conjunction with VT081 or VT082, allows seamless connection between the root complex and the end point devices. The LC style fiber connector allows the units to be connected using standard fiber cabling.

The module has options for a single-mode or multi-mode transceiver.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

USB 1.1 Fiber Media Converter

SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 1.705 (43.33 mm)
		Length: 3.3 (83.82)
		Depth: 0.75 (19.05)
Product Type	USB	USB media converter
Standards		
USB	Type	USB 1.1
Configuration		
Power	VT081	1.2W
Environmental	Temperature	Operating Temperature: 0° to 70° C
		Storage Temperature: -40° to +95° C
	Vibration	1G, 5-500Hz each axis
	Shock	30G each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	LEDs	Link and Activity
Other		
MTBF	MIL Spec 217-F > 420,000 Hrs.	
Certifications	Design to meet FCC, CE and UL certifications where applicable	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Compliance	RoHS	
Warranty	Two (2) years	
Trademarks	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners.	

USB 1.1 Fiber Media Converter

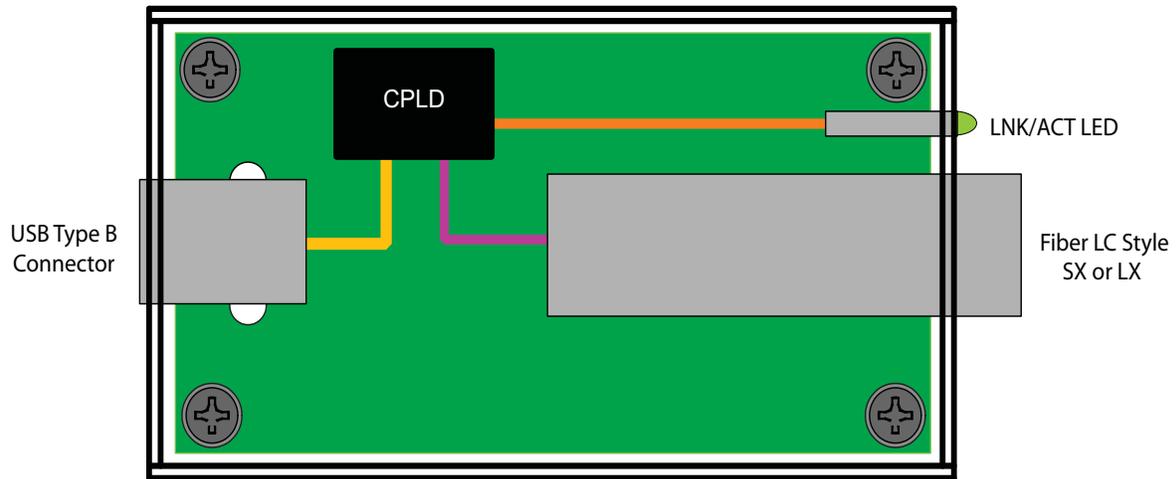


FIGURE 1. VT080 Functional Block Diagram

ORDERING OPTIONS

VT080 - A00- 000- 0HJ

A = Fiber

- 1 = LC/SX transceiver (850 nm)
- 2 = LC/LX transceiver (1310 nm)

H = Operating Temp

- 1 = Commercial
- 2 = Industrial

J = Conformal Coating

- 0 = None
- 1 = Humiseal 1A33 Polyurethane
- 2 = Humiseal 1B31 Acrylic

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