

VT082



Front view



Rear view

KEY FEATURES

- Supports USB 1.1 over fiber
- Fits into any assembly
- Seven USB copper ports
- Fiber LC style connector
- Link/Activity LED
- Available with industrial temp range
- Wide input power range 9V to 24V
- Provides power to each of the USB ports
- RoHS compliant

The VT082 USB fiber media converter extends the range of the USB beyond the standard USB 5 meter limit. The VT082, in conjunction with VT080 or ART105, allows seamless connection between the root complex and the end point devices. The LC style connector allows the units to be connected using standard fiber cabling.

The VT082 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 to Copper Hub

SPECIFICATIONS

Architecture		
Physical	Dimensions	Width: 2.5 (63.5 mm)
		Length: 4 in (101.6 mm)
		Depth: 0.75 in (19.05 mm)
Product Type	USB	Seven port USB fiber hub
Standards		
USB	Type	USB 1.1
Configuration		
Power	VT082	1.5 W with no USB device taking power from the VT082
Environmental	Temperature	Operating Temperature: 0° to 65° 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 Std-217F > 370,000 Hrs.	
Certifications	Designed 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.	

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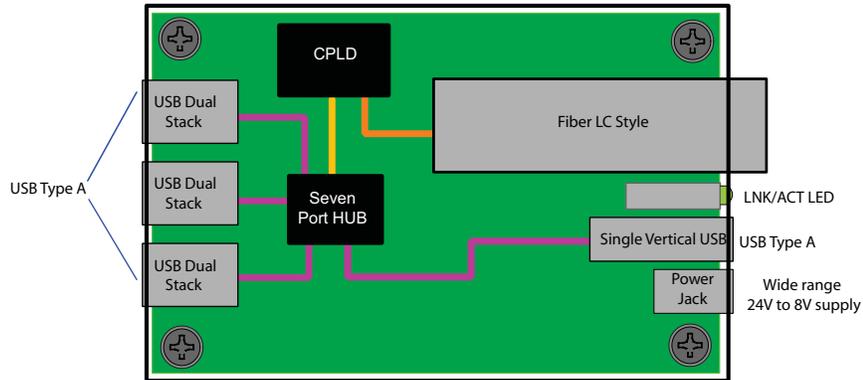


FIGURE 1. VT082 Functional Block Diagram

ORDERING OPTIONS

VT082 - 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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