KEY FEATURES

- Dual DVI via single strand SC Fiber per channel
- Supports USB 2.0 over LC style fiber
- Fits into any assembly
- Four USB copper ports
- Link/Activity LED
- Input power +5V
- Provides power to each of the USB ports
- RoHS compliant

The VT083 has dual single strand SC-Style Fiber for each DVI channels. The Fiber DVI is converted into the Copper and routed to the DVI connectors.

In addition the VT083 in conjunction with ART340/VT084 allows seamless connection between the USB root complex and the end point devices via Fiber. The LC style connector allows the units to be connected using standard fiber cable.

The VT083 module has options for a single-mode or multi-mode transceiver for its USB connection.

The module takes +5V input via male DB-9.

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

| **Architecture** | **Dimensions** | **Width:** 4.77”  
| **Length:** 5.75”  
| **Depth:** 1.5” |
| **Product Type** | **Graphic and USB**  
| **Dual Graphic and four port USB Copper ports** |
| **Standards** | **USB** | **Type** | **USB 2.0** |
| **Configuration** | **Power** | **VT083**  
| **4W with no USB device taking power from the VT083** |
| **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 Hand book 217F > TBD** |
| **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.
FIGURE 1. VT083 Functional Block Diagram

ORDERING OPTIONS

VT083 - ABC - 000 - 0HJ

A = USB Fiber
1 = LC/SX transceiver (850 nm)
2 = LC/LX transceiver (1310 nm)

B = Graphic
0 = None
1 = Single Graphic
2 = Dual Graphic

C = Mount option
0 = With Enclosure
1 = PCB Assembly only

H = Operating Temp
0 = Commercial
1 = Industrial

J = Conformal Coating
0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic