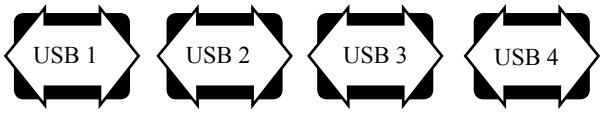
MERIDIAN TECHNOLOGIES

USB, Keyboard & Mouse Transmission System



FEATURES:

- Digital Transmission of USB 2.0, Keyboard and Mouse over Single Multimode or Singlemode Fiber
- USB 2.0 Extender with 4-port Hub
- USB 2.0 4-port Hub for Keyboard, Mouse, External HDD and Other USB Peripheral Devices
- Wide Optical Dynamic Range: Eliminates Need for Optical Attenuators
- ST, FC Optical Connector
- Hot Swappable Cards
- Local LED Status Indicators to Monitor Critical System Diagnostics for Performance Parameters

DESCRIPTION:

Meridian's FT/FR-1Q/1Q-x product is a state-of-the-art, cost-effective, high performance USB/Keyboard/Mouse transmission system that transports the following signals: keyboard, mouse (input/output) over multimode or singlemode fiber using a standard USB 2.0 transport medium. At the transmit side, the USB interface connects directly to a standard USB 2.0 port on your computer and provides a 4-port USB 2.0 hub at the receive side. Four USB ports can be used to connect your computer keyboard, mouse or other USB 2.0 device such as a flash drive or external HDD.

CONFIGURATIONS:

This FT/FR-1Q/1Q-x product is available as rack mount cards and modules that can be installed in either Meridian's desk chassis or in 19" racking frames. This product requires one standard single slot and can be made into a stand-alone system with the addition of the SR-500/s, 1 slot desk/wall mount chassis.

MARKETS:

√ Courtrooms
√ Medical & MRI displays
√ Residential
√ Secure computer installations
√ Stock exchanges
√ Video walls
√ CAD / CAM

SPECIFICATIONS:

Data

USB 2.0

Optical

Fiber Data Rate ..... 1250 Mb/s

Connectors

Optical ..... ST - MM(default), FC - SM(default)
USB ..... 4-pin USB (type B)
Power ..... See SR series chassis for details

Power **

Card ..... 3 Watts

Indicators (LEDs)

Power ..... Green
Diagnostic ..... Green (OK), Red (alarm)
Tx/Rx Optic ..... Green (Rx signal), Red (Tx laser error)
USB Active ..... Red
USB Link ..... Green
USB Host ..... Green

Physical

Dimensions (2 Cards) .... 160 mm (6.3") L, 127 mm (5") W
40mm (1.60") W
Weight ..... 500 gms (26 Oz)
No. of Slots 2
Module ..... See SR-1000 Brochure

Enviromental

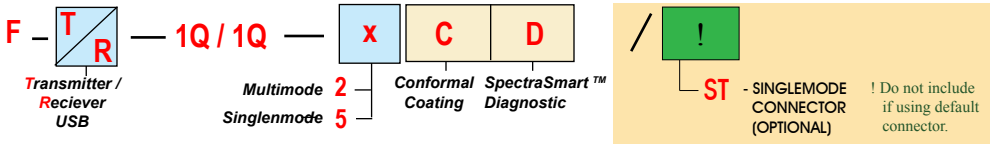
Operating Temperature ..... -10°C to +50°C
Storage Temperature ..... -55°C to +85°C
Relative Humidity ..... 0 to 95% Non-condensing

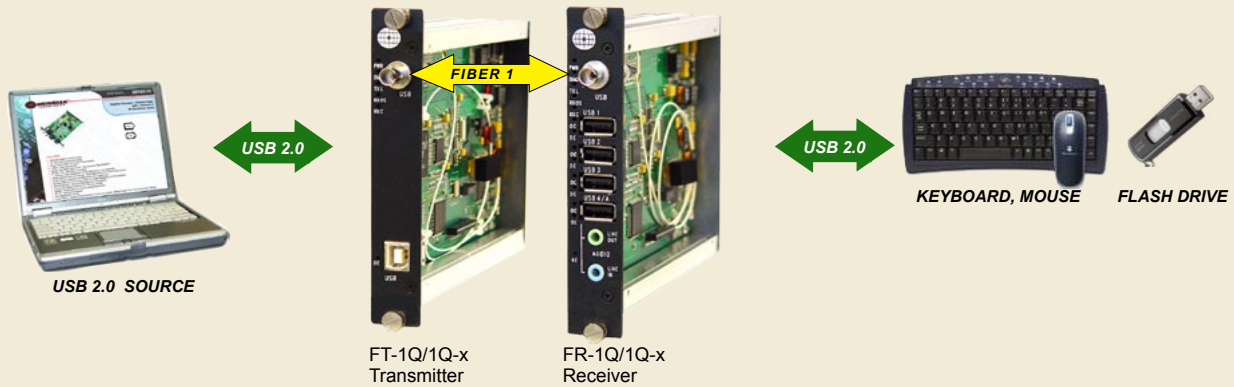
Quality

MTBF ..... >120,000 hours @ Ground Fix
35°C per MIL217F

* *Based on maximum resolusion & fiber bandwidth*
** *Due to variations of drivers and diagnostic options, power shown @ max value*

Part Numbers:





* Meridian Optical Code	Fiber Type/Size (um)	Optical Output (dBm)	Receiver Sensitivity (dBm)	Optical Budget (dB)	Wavelength (nm)	Optical Connector	Optical Dynamic Range (dB)	Max Distance (Km)
2	Multimode (FP Laser) 62.5 / 125	-6	-16	10	1300 / 850	ST	20	1.6
5	Singlemode (FP Laser) 9 / 125	-6	-21	15	1310 / 1550	ST, FC	20	40

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