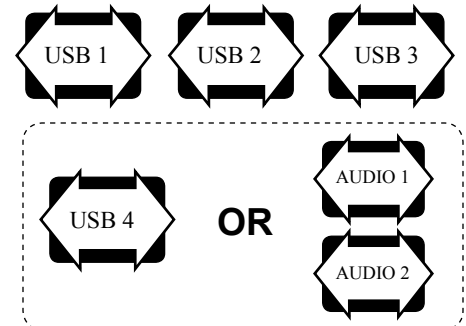


USB, Keyboard & Mouse Transmission System



FEATURES:

- Digital Transmission of USB 2.0, Stereo Audio, Keyboard and Mouse over Single Multimode or Singlemode Fiber
- USB 2.0 Extender with 4-port Hub or 2 Channel 16-bit Audio and 3 USB Ports
- 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-1Q2A/1Q2A-x product is a state-of-the-art, cost-effective, high performance USB/Audio/Keyboard/Mouse transmission system that transports the following signals: keyboard, mouse and 2-ch audio (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. The fourth of the USB ports can also be switched to transmit the computer audio output and line input channels and provides them on standard 3.5mm stereo phone jacks on the receive unit.

CONFIGURATIONS:

This FT/FR-1Q2A/1Q2A-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:

Audio

In/Out Impedance	47 KOhm Unbalanced
Frequenc Response	10Hz to 18KHz
SNR	>80dB (Weighted) @ 1KHz.
In / Out Level	0 dBm (1VP-Pmax.)
Total Harmonic Distortion	< 0.02% @ 1 KHz
Resolution	16 Bit

Data

USB	2.0
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Optical

Fiber Data Rate	1250 Mb/s
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Connectors

Audio	3.5mm Phone Jack
Optical	ST - MM(default), FC - SM(default)
USB	4-pin USB (type B)
Power	See SR series chassis for details

Power **

Card	3 Watts
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* Based on maximum resolution & fiber bandwidth

** Due to variations of drivers and diagnostic options, power shown @ max value

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
Audio error	Red

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

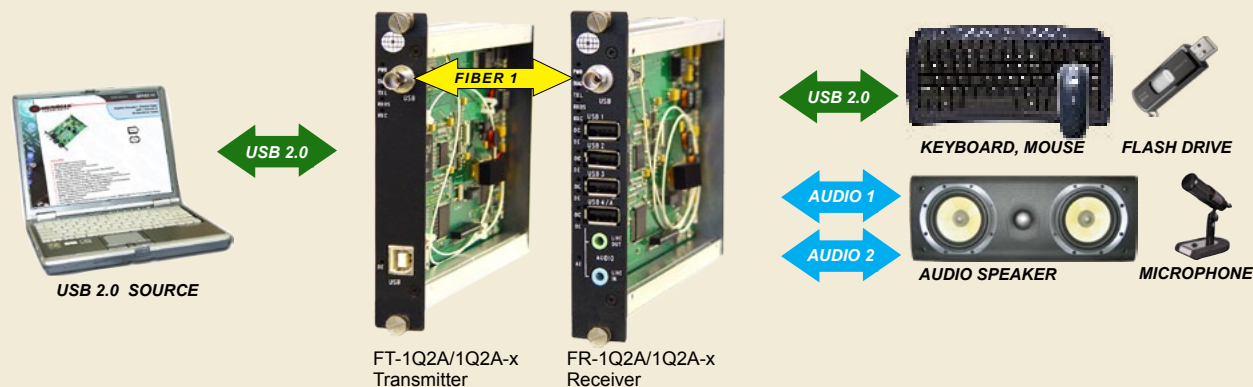
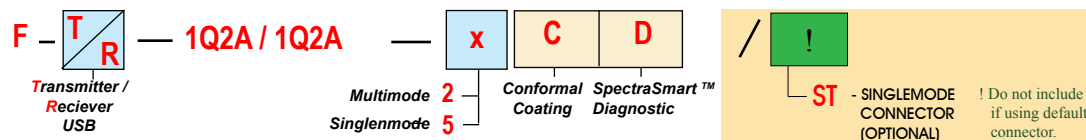
Enviromental

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
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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