

# Specifications

## DFX 100 Tx/Rx

**NOTE:** The DFX 100 TX/RX consists of a transmitter (DFX 100 TX) and a receiver (DFX 100 RX) with fiber optic cables linking the two units.

**NOTE:** These devices are class 1 laser products. They meet the safety regulations of IEC-60825, FDA 21 CFR 1040.10, and FDA 21 CFR 1040.11

### Optical fiber interconnection between transmitter and receiver

Number/type..... 1 fiber optic, multimode (OM3 or OM4 fiber, must use 50/125  $\mu$ m)  
Connectors..... 1 LC connector  
Operating distance..... 300 m

**NOTE:** Operating distance is approximate. This is a typical maximum distance that may vary depending on factors such as fiber type, fiber bandwidth, connector splicing, losses, modal or chromatic dispersion, environmental factors, and kinks.

Nominal peak wavelength ..... 850 nm (multimode)  
Data rate..... 6.25 Gbps  
Transmission power  
Multimode ..... -7 dBm, typical  
Maximum receiver sensitivity  
Multimode ..... -19 dBm, typical  
Optical loss budget  
Multimode ..... 12 dB, maximum

### Video

**NOTE:** \*Appropriate HDMI to DVI-D cables or adapters are required for HDMI signal input/output.

Resolution range..... Up to 1920x1200 or 1080p @ 60 Hz pixel for pixel  
Formats ..... RGB and YCbCr  
EDID ..... Pass through from Rx unit to Tx unit  
Standards ..... DVI 1.0, HDMI

### Video input — transmitter

Number/signal type..... 1 single link DVI-D  
Connectors..... 1 male DVI-I, fixed cable 3.0'

### Video output — receiver

Number/signal type..... 1 single link DVI-D  
Connectors..... 1 male DVI-I, fixed cable 3.0'

## General

Power supply .....	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Power consumption	
Transmitter .....	2.5 watts, 12 VDC
Receiver .....	2.1 watts, 12 VDC
Temperature/humidity .....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling .....	Convection, no vents
Thermal dissipation	
Transmitter .....	8.0 BTU/hr
Receiver .....	6.8 BTU/hr
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Furniture mount.....	Yes, with optional ZipClip 200™ or under-desk mounting kit
Pole mount.....	Yes, with optional pole-mount kit
Enclosure type .....	Metal
Enclosure dimensions .....	1.7" H x 2.2" W x 3.0" D (1 U high, one-eighth rack wide) (4.2 cm H x 5.6 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight .....	0.5 lbs (0.3 kg)
Shipping weight .....	3 lbs (2 kg)
Vibration .....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety .....	CE, c-UL, UL
EMI/EMC.....	CE, C-tick, FCC Class A, ICES, KCC, VCCI
Environmental.....	Complies with the appropriate requirements of RoHS, WEEE
Warranty .....	3 years parts and labor

**NOTE:** All nominal levels are at ±10%.

**NOTE:** Specifications are subject to change without notice.

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