Specifications

HFX 100 Tx/Rx

> **NOTE:** The HFX 100 TX/RX consists of a transmitter (HFX 100 TX) and a receiver (HFX 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 µm)
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 DVI signal input/output.

Resolution range............................ Up to 1920x1200 or 1080p @ 60 Hz, 2k pixel for pixel @ 12 bit color depth
Formats .... RGB and YCbCr
EDID .... Pass through from Rx unit to Tx unit
HDCP .... Pass through
Standards .... DVI 1.0, HDMI, CEA-861E

Video input — transmitter

Number/signal type........................ 1 single link HDMI
Connectors.................................... 1 Male HDMI, fixed cable 3.0'

Video output — receiver

Number/signal type........................ 1 single link HDMI
Connectors.................................... 1 Male HDMI, 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 .... 12 VDC, 220 mA, 2.5 W

    Receiver .... 12 VDC, 175 mA, 2.1 W

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-eigth 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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