



DisplayPort 1.2 one(1) fiber optical extender, DPFX-300-TR

Description

DisplayPort 1.2 one(1) fiber optical detachable extender, DPFX-300-TR, extends DisplayPort 1.2 signal up to 200m (656feet) and transmits 4K UHD (4096x2160) at 60Hz over one(1) LC multi-mode fiber(OM3). Leading-edge technology of Opticis allows long distance transmission of 4K signal without any video/audio degradation.

DPFX-300-TR is designed compact enough to be fitted into various installation environments. It gives slim, light, easy installation with perfect electrical isolation, but without electrical hazard and interference. Additional to meet all the needs of the customers, DPFX-300-TR is fully interoperability with using DPFX-700 as a pair.

Between Transmitter (DPFX-300-Tx) and receiver (DPFX-300-Rx), pure fiber connection by single LC fiber connector gives clean, secure and easy installation.

DPFX-300-TR can be operated by USB power without external DC power adapter with plugging micro USB(DPFX-300 module side) – USB (source/display devices side) cable which is supplied in the shipping group.

Specification

- Supports DisplayPort 1.2 standards
- Extends up to 4K (4096x2160) at 60Hz, (RGB & YCbCr : 4:4:4)
- Transmits DisplayPort 1.2 data up to 200m (656feet) over one (1) LC multi-mode fiber (OM3)
- Offers total data rate 21.6 Gbps (5.4Gbps per lane)
- Supports Dual-mode DP (DP++)
- Selectable Option: full interoperable with DPFX-700-TR as a pair.
- Supports Auxiliary/I²C channel over fiber
- Supports Multi-Stream Transport
- Provides compact design that allows direct connection to DisplayPort source/display
- Plug & Play
- Auto power switching
- Data security with negligible EMI emission
- Certifies FCC and CE standards for EMI/RFI emission

Applications

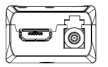
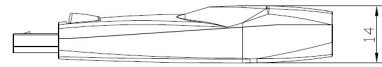
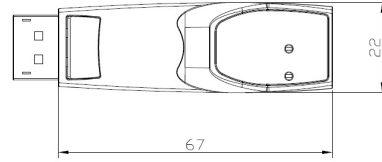
- Medical imaging
- Military
- Digital Signage
- Control room
- Simulator
- Rental staging

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Technical Features

Resolution	Up to 4K(4096x2160) at 60Hz,
Bit rate	Up to 5.4 Gbps/ch
Maximum distance	Up to 200m (656feet)
Fiber	1 LC multi-mode fiber (OM3)
AUX Channel	Direct AUX Channel
Power supplying	External USB power by micro USB - USB cable
LED Indicators	TX: power, signal transmission RX: power, signal detection
Power consumption	< 2.0W
Operating temperature	0°C to 50°C
Operating humidity	10~85% RH, non-condensing
Size (LWH)	22 x 67 x 14 mm

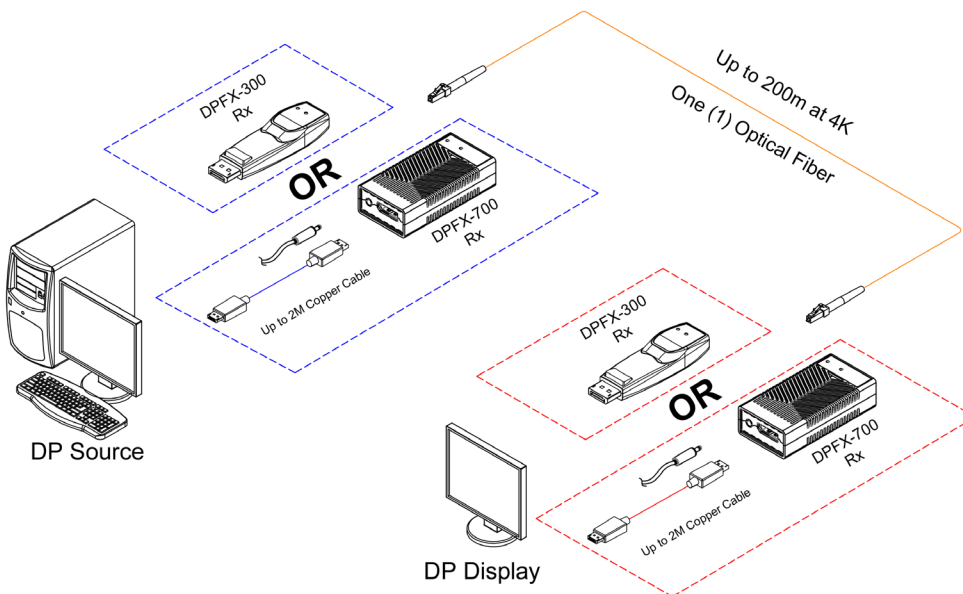
Dimension [mm]



Size (LWH): 22 x 67 x 14mm

Connection Diagram

- 4K UHD(4096x2160) @60Hz up to 200m (656ft)
- Full interoperable with DPFX-700-TR as a pair.



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All contents are subject to be changed without prior notice.