



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

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.

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++)**
- 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

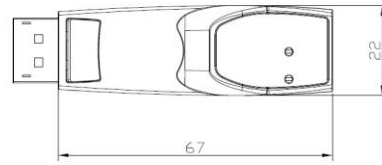
- Medical imaging
- Military
- Digital Signage
- Control room
- Simulator
- Rental staging

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

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

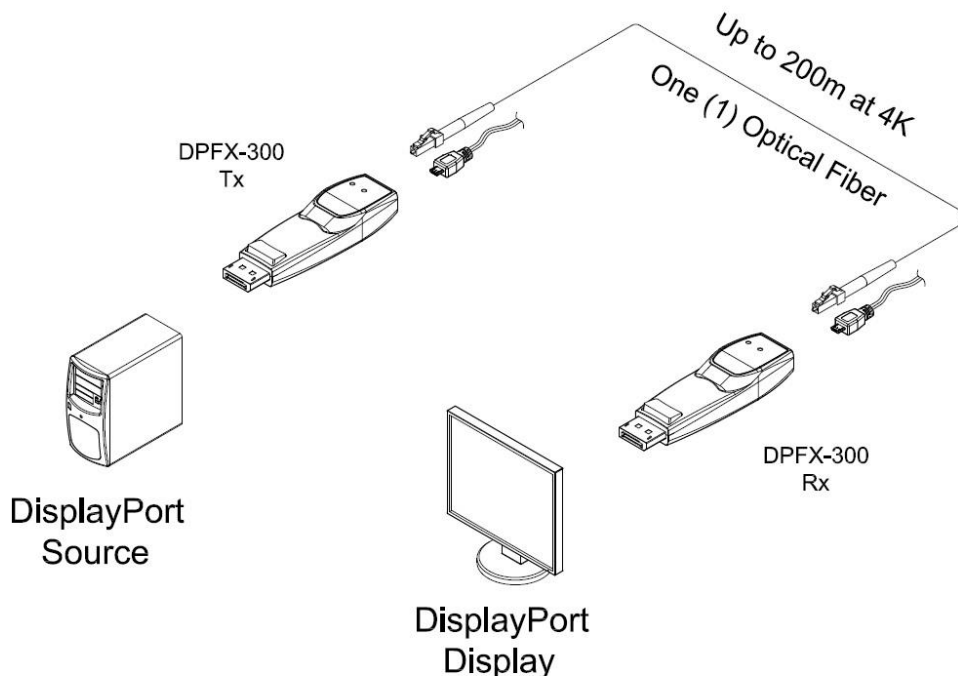
Dimension [mm]



Size (LWH): 22 x 67 x 14mm

Connection Diagram

4K UHD(4096x2160) @60Hz up to 200m (656ft)



Opticis Co., Ltd.
 7F, 166, Jeongjail-ro, Bundang-gu
 Sungnam-si, Gyunggi-do, 13558 South Korea
 Tel: +82 (31) 719-8033
 Fax: +82 (31) 719-8032

tosales@opticis.com



All contents are subject to be changed without prior notice.