# DisplayPort 1.2 One(1) fiber optical extender with Copper Extension
# DPFX-700

## Description

DisplayPort 1.2 one(1) fiber optical detachable extender with copper extension, DPFX-700-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). Cutting-edge technology of Opticis reduces limits in installation by providing an option for longer copper extension.

DPFX-700-TR transmit uncompressed crystal clear data signal even when used with up to 2 m copper cable as an intermediary. This enables installation of the product in the limited spaced area in such our small module type extender cannot be used. 2m copper cable is provided in the shipping group.

Furthermore, to meet all the needs of the customers, DPFX-700-TR is fully compatible with using DPFX-300 as a pair. Depending on the circumstances, customer can choose to use direct connection type module on one side, and copper extension type module on the other side.

DPFX-700-TR gives slim, light, easy installation with perfect electrical isolation, but without electrical hazard and interference. It is operated external DC power adapter 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)
• **Extra copper extension** available up to **2m** on each side (TX/RX)
• **Fully compatible** with using DPFX-300 as a pair
• 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**
• Plug & Play
• Data security with negligible EMI emission
• Label color distinction: TX (silver) & RX (black)
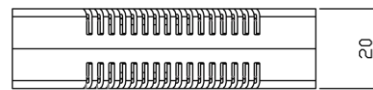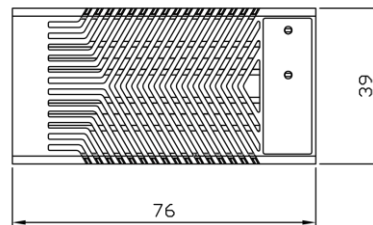• Certifies FCC and CE standards for EMI/RFI emission

## Applications

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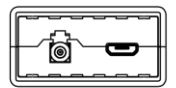• Rental staging

## Technical Features

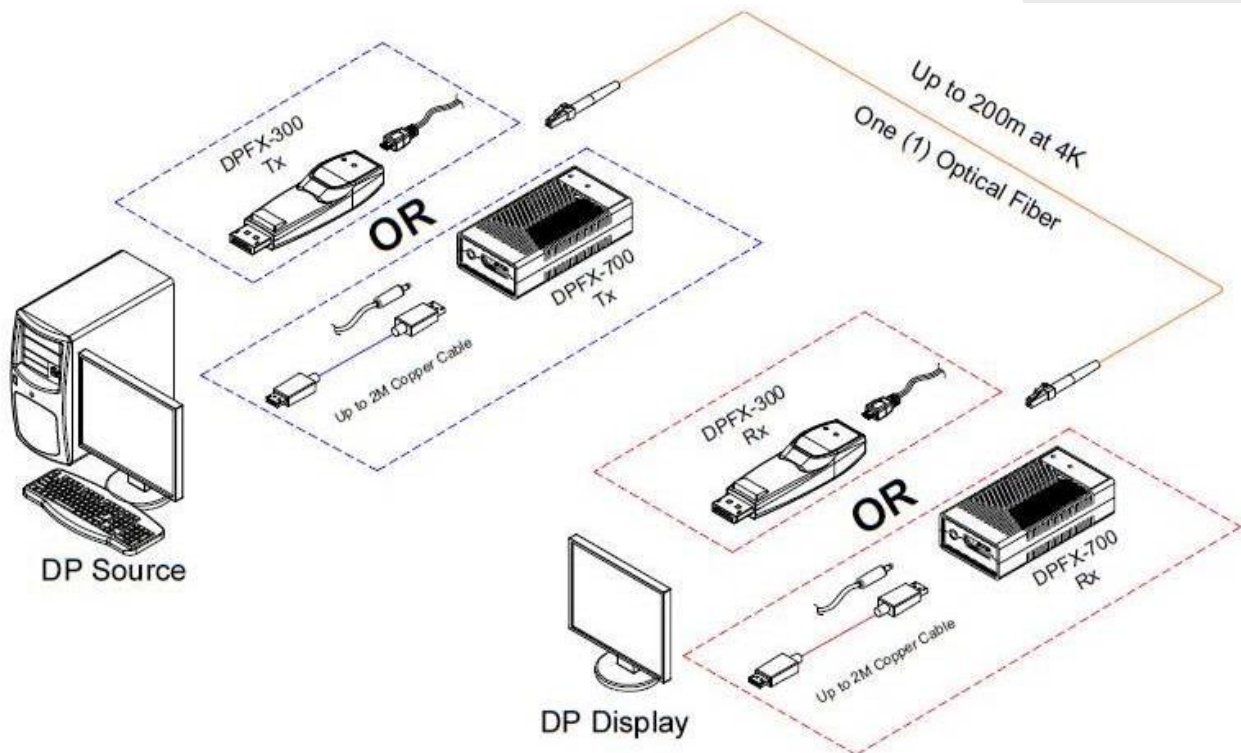| | |
|---|---|
| Resolution | Up to 4K(4096x2160) at 60Hz, |
| Bit rate | Up to 5.4 Gbps/ch |
| Maximum distance | Up to 200m (656feet) |
| Fiber | 1 LC multi-mode fiber (OM3) |
| AUX Channel | Direct AUX Channel |
| Power supplying | External DC power 5V/1A |
| LED Indicators | Power LED: ON when connected Status LED: ON when signal is detected |
| Power consumption | TBD |
| Operating temperature | 0°C to 50°C |
| Operating humidity | 10~85% RH, non-condensing |
| Size (LWH) | 39 x 76 x 20 mm |

## Dimension [mm]



Size (LWH): 39 x 76 x 20mm

## Connection Diagram

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

*All contents are subject to be changed without prior notice.*