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

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 and transparent 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 interoperate 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, and 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)
• Selectable Option: full interoperate with DPFX-300 as a pair
• Power Rack (BR-400) available for mounting up to 8 units
• Offers total data rate 21.6 Gbps (5.4Gbps per lane)
• 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

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# DPFX-700-TR

Technical Features

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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	TX: power, signal transmission RX: power, signal detection
Power consumption	<2.5W
Operating temperature	0°C to 50°C
Operating humidity	10~85% RH, non-condensing
Size (LWH)	39 x 76 x 20 mm

Dimension [mm]
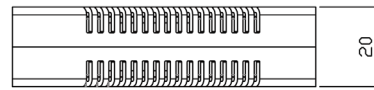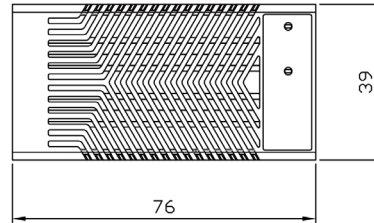
Size (LWH): 39 x 76 x 20mm
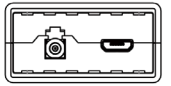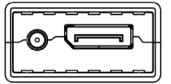
Connection Diagram

- 4K UHD(4096x2160) @60Hz up to 200m (656ft)
- Full interoperate with DPFX-300 as a pair
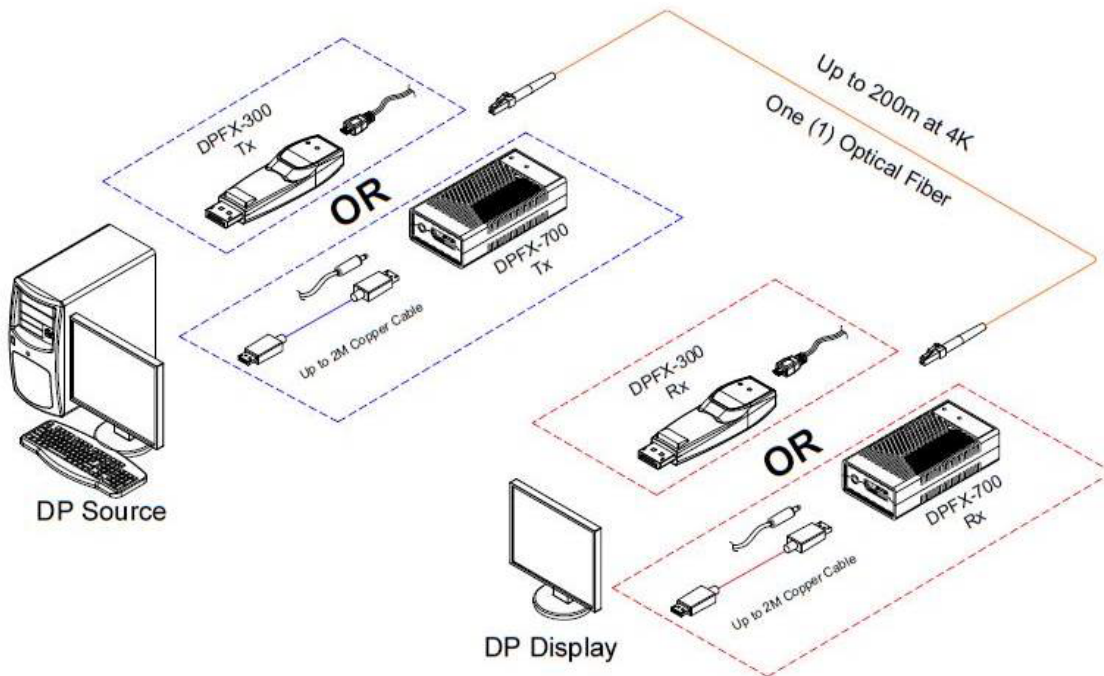
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All contents are subject to be changed without prior notice.