Optical DisplayPort 1.2 1ch Extender

FTDS (DP1.2 compliant)

FTDS, it is Displayport 1.2 optical fiber extender which complies with displayport1.2 standard and supports real 4K UHD (3840x2160 or 4096x2160@60Hz) resolution. It enables to transmit high quality 4K resolution up to 200 meter (656ft) over only one(single) SC multi-mode fiber without any signal degradation

Features

- High Speed and long distance transmission by optical fiber
- Compatible with DisplayPort standard V1.2
- Supports 50-micron OM3 (or OM4) Fiber with an SC Connector
- Main-link video signal / AUX data and Hot Plug Detection signal is transmitted by 1 channel multimode optical fiber
- DPCD(DisplayPort Configuration Data) compliant
- EMI & Safety : CE, FCC

Specification

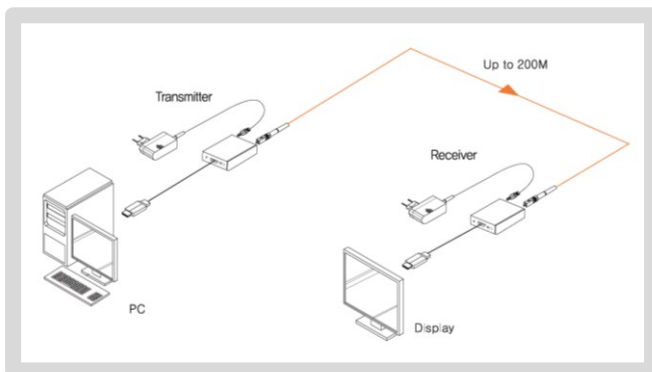|	Transmitter	Receiver
Signal	DisplayPort 1.2	
Video Bandwidth	21.6 Gbps	
Supporting Resolution & Distance	4K UHD(3840x2160 or 4096x2160@60Hz) 200M(656ft)	
Connector	DisplayPort 20 Pin (male)	
Power Consumption	1.75W(Typ)	2.0W(Typ)
Dimension	81.2W x 21.1D x 47.5H (mm)	
Environment	Operating Temperature Range: 0°C~50°C Storage Temperature Range: -20°C~70°C	

Optical

- Optical Source: VCSEL Laser
- O/E Converter: PIN Photo Diode
- Using fiber : 1-Ch OM3 (or OM4) Optical multimode fiber (SC connector type)

Package

- Transmitter, Receiver
- Power Adapter 2ea
- 1.8m Displayport cable 2ea
- User's manual

Application

Ordering Information

FTDS

Model name

- FTDS-TX, FTDS Transmitter
- FTDS-RX, FTDS Receiver
- FTDS-M, FTDS TX/RX and PS-M set