



Extenders / DisplayPort

# Optical DisplayPort 1.4 Extender (MPO/MTP)

**8K/UHD**



## OMP-DP (Pigtail type)

OMP-DP, it is DisplayPort 1.2/1.4 optical fiber extender which complies with DisplayPort standard V1.2/1.4 and supports real 4K/8K UHD (4096x2160, 7680x4320) resolution.

It enables to transmit high quality 4K/8K resolution up to 200 meter (656ft) using by optical multi-mode(50/125um) fiber(with MPO/MTP type connector) without any video signal loss.

### Features

- High Speed and long distance transmission by optical fiber
- Compatible with DisplayPort standard V1.2/1.4
- Supports 4K@120Hz resolution
- Supports OM3 Fiber with 8core MPO/MTP type Connector
- Main-link video signal / AUX data and Hot Plug Detection signal is transmitted by optical fiber
- DP-CD(DisplayPort Configuration Data) compliant
- EMI & Safety : CE, FCC

### Specification

|                                  | Transmitter  | Receiver        |
|----------------------------------|--|-----------------|
| Signal                           | DisplayPort 1.2/1.4  |                 |
| Video Bandwidth                  | 32.4 Gbps  |                 |
| Supporting Resolution & Distance | 4K/8K UHD(up to 7680x4320, HBR3)<br>200M(656ft)                                |                 |
| Connector/Fiber                  | DisplayPort 20 Pin (male)/ MPO/MTP   |                 |
| Power Consumption                | 0.2W(Max,self power)   | 0.55W(Typ, Ext) |
| Dimension                        | 300.0*16.0*31.0 (mm)   |                 |
| Environment                      | Operating Temperature Range: 0°C~50°C<br>Storage Temperature Range: -20°C~70°C |                 |

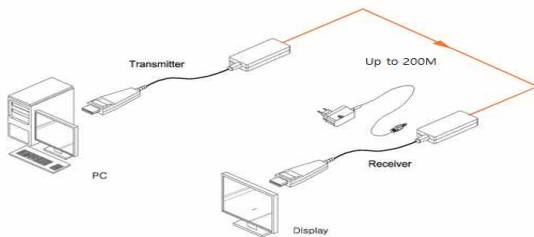
### Optical

- Optical Source: VCSEL Laser
- O/E Converter: PIN Photo Diode
- Using fiber : 8core (or 12core)  
MPO/MTP Optical Fiber cable  
(50/125um, OM3, Polarity type B)

### Package

- Transmitter, Receiver
- Power Adapter 1ea
- User's manual

### Application



### Ordering Information

## OMP-DP-x

Model name

- OMP-DP-T, OMP-DP Transmitter only
- OMP-DP-R, OMP-DP Receiver and PS-M
- OMP-DP-M, OMP-DP Tx/Rx and PS-M set

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