



# DisplayPort 1.4 Optical Extender (MPO/MTP)



## OMP-DP

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

It enables to transmit high quality 4K/8K resolution up to 100 meter (330ft) over MPO/MTP multi-mode fiber without any signal degradation.

### Features

- High Speed and long distance transmission by optical fiber
- Compatible with DisplayPort standard V1.2/1.4
- Supports OM3 (or OM4) Fiber with 8ch MPO/MTP type Connector
- Main-link video signal / AUX data and Hot Plug Detection signal is transmitted by optical fiber
- DPCD(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) 100M(333ft)	
Connector/Fiber	DisplayPort 20 Pin (male)/ MPO/MTP	
Power Consumption	0.18W(Max,self power)	0.5W(Typ, Ext)
Dimension		
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 : 8-Ch OM3 (or OM4)  
Optical multimode fiber  
(MPO/MTP connector type)

### Package

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

### 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

### Application

