



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 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 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
- 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) 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 Storage Temperature Range: -20°C~70°C	

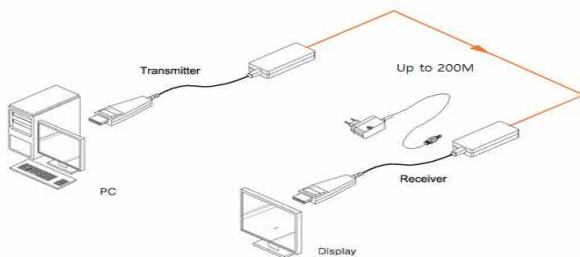
### Optical

- 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

## OPHIT CO., LTD.

#908~911/103, Digital Empire2, 88 Sinwon-ro, Yeongtong-gu Suwon-si, Gyeonggi-do, 443-734, Republic of Korea  
 TEL: +82 (0)31 695 5543 FAX: +82 (0)31 695 5545 E-mail: jhchoi35@ophit.com www.ophit.com