



Optical DisplayPort 1.4 Extender (MPO/MTP)

8K/UHD



OMB-DP (Standalone Type)

OMB-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
- 19" rack mountable design
- EMI & Safety : CE, FCC

Specification

	Transmitter	Receiver
Signal	DisplayPort 1.2/1.4	
Video Bandwidth	32.4 Gbps	
Supporting Resolution & Distance	4K/8K(up to 7680x4320 HBR3(8.1Gbps)) 200m(656ft)	
Receptacle/Fiber	DisplayPort 20 Pin / MPO/MTP	
Power Consumption	0.9W(Typ, ext)	0.45W(Typ, ext)
Dimension	69.0x21.1x36.8mm(WxHxD)	
Environment	Operating Temperature Range: 0°C~50°C Storage Temperature Range: -20°C~70°C	

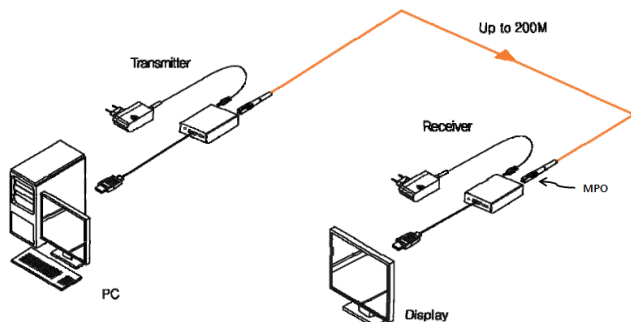
Optical

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

Package

- Transmitter, Receiver
- DisplayPort cable 2ea
- Power Adapter 2ea
- User's manual

Application



Ordering Information

OMB-DP-x

Model name

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