



HDMI 2.1 Optical Extender (MPO)



OMP-HM

OMP-HM, it is HDMI 2.1 optical fiber extender which complies with HDMI 2.1 standard and supports real 4K/8K UHD (4096x2160, 7680x4320) resolution.

It enables to transmit high quality 4K/8K resolution up to 100 meter (330ft) using by optical multi-mode fiber(with MPO type connector) without any video signal loss.

Features

- High Speed and long distance transmission by optical fiber
- Compatible with HDMI standard v2.1
- Supports OM3 (or OM4) fiber with 8core MPO type connector
- I2C data and Hot Plug Detection signal is transmitted by optical fiber
- CEC control, EDID, and HDCP
- EMI & Safety : CE, FCC

Specification

| | Transmitter | Receiver |
|----------------------------------|--|-------------|
| Signal | HDMI v2.1 | |
| Video Bandwidth | 48.0 Gbps | |
| Supporting Resolution & Distance | 4K/8K UHD(up to 7680x4320) 100M(330ft) | |
| Connector/Fiber | HDMI 19 Pin (male)/ MPO | |
| Power Consumption | 0.75W (typ) | 0.95W (typ) |
| Dimension | 300 x 16 x 31 (mm) | |
| Environment | Operating Temperature Range: 0°C~50°C Storage Temperature Range: -20°C~70°C | |

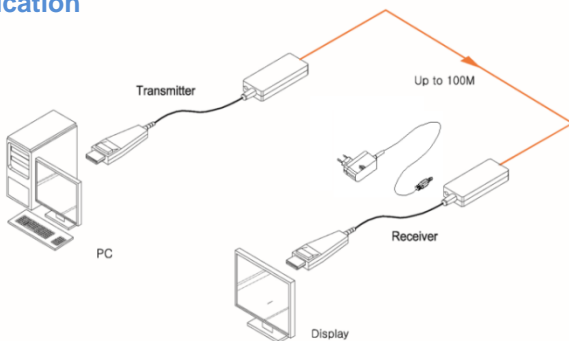
Optical

- Optical Source: VCSEL Laser
- O/E Converter: PIN Photo Diode
- Using fiber : 8 core (or 12 core)
MPO fiber optical cable (OM3, Polarity type A)

Package

- Transmitter, Receiver
- Power adapter 2ea
- User's manual

Application



Ordering Information

OMP-HM-x

Model name

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