

Overview:

The HDMI 2.0 Fiber Extender Kit, Single Mode (model: 500485) allows one HDMI 2.0 and one USB 1.1 channel to be transmitted up to 10km (6.25miles) at all resolutions up to 4K@60Hz over one duplex LC single mode fiber optic cable in a point-to-point configuration. In addition, the HDMI 2.0 Fiber Extender Kit, Single Mode is HDCP 2.2 compliant and supports IR and RS-232 pass-through and keyboard/mouse USB signal transmission.

Applications:

- KVM applications
- Commercial and residential AV systems
- Classroom projector systems
- Boardroom systems
- Collaborative PC systems
- Medical information systems



Key Features:

- Supports HDMI 4K @ 60fps (4:4:4 8bits)
- Supports HDR, which is 4K@60fps (4:2:0 10bits)
- Supports HDCP 2.2
- Extends HDMI signals up to 10km over single mode fiber optic cable with LC connectors
- Supports USB 1.1 for keyboard and mouse only
- Bi-directional IR pass-through
- Supports full frequency IR signal from 20KHz to 60KHz
- Includes wall-mount bracket kit

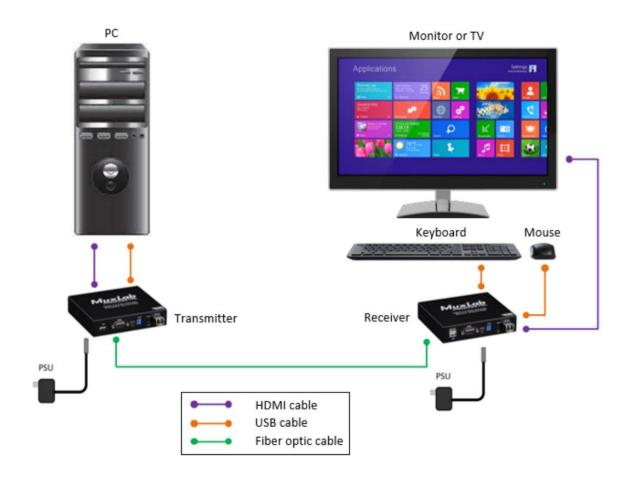
Specifications

| орссинсации | |
|-------------------------|---|
| Technical | |
| HDMI compliance | HDMI 2.0a |
| HDCP compliance | HDCP 2.2 |
| Video bandwidth | Single-link 594MHz [18Gbps] |
| Video support | HDR 4K@60 (4:2:0 10bits) / 4K@60 (4:4:4 8bits) |
| Audio support | Surround sound [up to 7.1ch) or stereo digital audio |
| Input TMDS signal | 1.2 Volts [peak-to-peak] |
| Input DDC signal | 5 Volts [peak-to-peak, TTL] |
| ESD protection | Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge] |
| PCB stack-up | 4-layer board [impedance control — differential 100Ω ; single 50Ω] |
| IR pass-thru | Bi-directional Bi-directional |
| RS-232 support | Yes |
| Input ports | Transmitter [TX] 1x HDMI, 1x 3.5mm Receiver [RX] 1x Duplex LC SMF, 1x 3.5mm |
| Output ports | Transmitter [TX] 1x Duplex LC SMF, 1x 3.5mm Receiver [RX] 1x HDMI, 1x 3.5mm |
| In / Out ports | Transmitter [TX] 1x RS-232, 1x USB Receiver [RX] 1x RS-232, 2xUSB |
| HDMI source control | Controllable via IR pass-through from RX to TX with IR extenders |
| HDMI connector | Type A [19-pin female] |
| USB connector | Type A |
| 3.5mm connector | Transmitter [TX] IR receiver / IR blaster Receiver [RX] IR receiver / IR blaster |
| Mechanical | |
| Housing | Metal enclosure |
| Unit Dimensions (DxWxH) | Transmitter [TX] 4.9" x 4.4" x 1.1" (125mm x 112mm x 28mm) |
| | Receiver [RX] 4.9" x 4.4" x 1.1" (125mm x 112mm x 28mm) |
| Unit Weight | Transmitter [TX] 1.02 lbs (0.46Kg) Receiver [RX] 1.00 lbs (0.45Kg) |
| Wall Mounting Hardware | Wall-mount bracket kit, with screws |
| Power supply | 12V2A |
| Power consumption | Max 10W |
| Operation temperature | 0~40°C [32~104°F] |
| Storage temperature | -20~60°C [-4~140°F] |
| Relative humidity | 20~90% RH [no condensation] |
| Warranty | 2 years |
| Order Information | 500485 HDMI 2.0 Fiber Extender Kit, Single Mode (UPC: 627699004852) |



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Typical Application





Transmitter (Source Side)

Receiver (Display Side)

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