

## Micro Mini 4K HDMI Fiber Extender with External Audio

### Features

- ▶ HDMI 1.4a and HCCP1.2 Support
- ▶ Uncompressed transmission, No delay, No losses
- ▶ DDC CEC HPD Signal Support
- ▶ Data rate up to 10.3Gbps
- ▶ Transmission distance up to 80km over fiber cable
- ▶ Supports All Modes up to 4K\*2K@30Hz Resolution
- ▶ Support external stereo audio
- ▶ Hot-Pluggable, EMI/RFI Resistant
- ▶ Miniature form factor for ease of use and installation
- ▶ 850nm VCSEL and PIN Photo detector
- ▶ Operating Case Temperature: -10~60°C

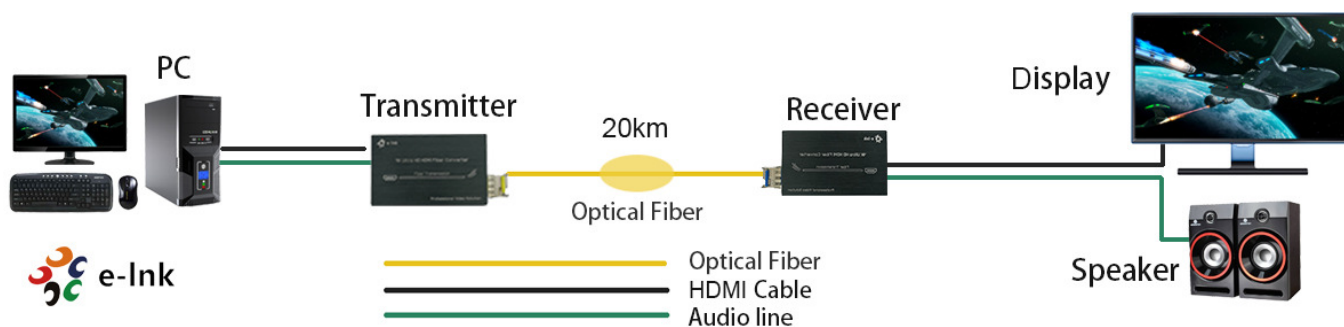


### Overview

Series 4K HDMI Fiber Extender are designed to support transmission of an uncompressed lossless HDMI 1.4a signal and stereo audio over optical fiber up to distances of 80km, at a resolution of 4Kx2K.

The Transmitter converts an HDMI signal to a single 10Gb/s serial data stream for transmission over optical fiber. The Receiver converts the serial data back to an HDMI signal. The transceivers are RoHS compliant and lead-free per requirements in Europe and China. This product is ideal for large-screen display, conferencing systems and home entertainment and so on. The device has the ability of anti-interference, to ensure the stability of the signal.

## Application



## Technical Indexes

<b>Type of Extender</b>	Fiber Transmitter for HDMI signal over Optical Fiber Cable
<b>Input Signals</b>	HDMI
<b>Connector</b>	Female HDMI type A
<b>Signal Support</b>	HDMI 1.4a HDMI format standard and HDCP compliant
<b>Video Support</b>	1920x1200 / 1080p@60Hz, up to 4K*2K@30Hz
<b>Audio Support</b>	Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTSHD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
<b>Chroma Subsampling</b>	Color space, 420, 400
<b>Dynamic EDID</b>	Plug & Play, no need to learn
<b>Audio Interface</b>	3.5MM external stereo audio
<b>Fiber Connector</b>	SFP/LC
<b>Bandwidth</b>	10.3Gbps
<b>Transmission Distance</b>	300m (Over OM3 Fiber)
	Up to 80km (Over Single-mode Fiber)
<b>Operating Temperature</b>	-10 to + 60°C
<b>Storage Temperature</b>	-20 to + 85°C
<b>Humidity</b>	5% to 90% RH (non-condensing)
<b>MTBF</b>	100,000 hours
<b>Dimension (WxDxH)</b>	2.87 x 1.73 x 0.69in (73x44x17mm)
<b>Weight</b>	60g / 0.13 lb
<b>Power Supply</b>	5~12V DC
<b>Power dissipation</b>	<5W
<b>Safety Approvals</b>	CE, FCC, Rohs

# **DIREKTRONIK**

Dataprodukter utöver det vanliga

DATA SHEET

Micro Mini 4K HDMI Fiber Extender with External Audio

# **DIREKTRONIK**

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