

Best.nr: 20101124



Overview

The 4K HDMI optical transceiver are enclosed HDMI optical modules designed to support transmission of an uncompressed lossless HDMI 1.4a signal over multimode optical fiber at 850nm, up to distances of 300m, at a resolution of 4Kx2K. 4 K HDMI OPTICAL TRANSCEIVER -T converts an HDMI signal to a single 10Gb/s serial data stream for transmission over two optical fibers. 4 K HDMI OPTICAL TRANSCEIVER -R 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.

Features

- HDMI 1.4a and HCCP1.2 Support
- Uncompressed transmission, No delay, No losses
- DDC CEC HPD Signal Support
- Supports up to 300m Transmission Distance at up to 10.3Gbps with OM3 Multimode Fiber (850nm)
- Supports All Modes up to 4K*2K@30Hz Resolution
- Standard HDMI Connector
- Integrated USB Connector for Power
- Hot-Pluggable, EMI/RFI Resistant
- Miniature form factor for ease of use and installation
- 850nm VCSEL and PIN Photodetector
- Video over (2) multimode fibers
- Typical Power Dissipation 1420 mW (Source), 1220 mW (Sink)
- Operating Case Temperature: 0~70°C

Technical Indexes

Type of Extender	Fiber Transmitter for HDMI signal over Optical Fiber Cable
Input Signals	HDMI
Signal Support	HDMI 1.4a HDMI format standard and HDCP compliant
Video Support	1920x1200 / 1080p@60Hz, up to 4K*2K@30Hz
Audio Support	Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTSHD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Website Specifications	Color space 444, 420, 400
Dynamic EDID	Plug & Play, no need to learn
Fiber Connector	Double LC Receptacle
Transmission Distance	Multi Mode, up to 984ft (300M)
Operating Temperature	0° C to + 50° C
Storage Temperature	-20° C to + 85° C
Humidity	to 90% RH (non-condensing)
Safety Approvals	CE, RoHS
Dimension (WxDxH)	3.15 x 0.79 x 0.35 in (80x20x9mm)
Weight	0.1 kg / 0.22 lb
Operation Voltage	5VDC
Power Supply	Power Input +5VDC, 0.85A (Universal Type 50/60Hz, 100~240VAC)



Size & Dimension

