

HDMI 2.0 Fiber Dongle Extender Kit

500487



Overview

The HDMI 2.0 Fiber Dongle Extender Kit (model: 500487) is an HDMI extender that uses fiber optic cable with LC connection to transmit uncompressed 4K60 HDMI signals. It supports EDID and HDCP pass-through over multi-mode fibers. Its small compact size and pig-tail design allow for easier installation in any AV application.

Applications

- Commercial and residential AV systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Collaborative PC systems

Key Features

- Supports resolution up to 4K60
- Supports distance up to 300m
- Requires power only on the receiver side
- Supports EDID and HDCP
- Supports Dolby Vision and HDR10+
- Supports LPCM, Dolby and DTS Audio
- Plug and Play

Specification

Technical

Environment	Custom audio-video systems in a structured cabling environment.
Application	Head-end installations, conference room, home installation
Standard	HDMI 2.0, HDCP 2.2
Video Resolution	Up to 4K60 4:4:4
Distance	up to 300m using OM3 Multi-mode Fiber
Wavelength	850nm
Dynamic Range	SDR, HDR, HDR10, HDR10+ and Dolby Vision
Audio Format	LPCM, Dolby, DTS, Dolby Atmos and DTS:X
Latency	Less than 1 frame at 300m with a resolution of 4K60 4:4:4
Fiber Type	Muti-mode fiber OM3 or OM4 recommended

Hardware Interfaces

HDMI Port	1 x HDMI Type A [19-pin female] with Pig-tail
Fiber Port	1 x LC fiber [female], supporting multi-mode fiber
Power Port	1 x USB-C connector
Status Led	Bi-color LED: off no power, red powered and purple HDMI signal transferring

General

Power Supply	USB-C 5V
Power Consumption	Transmitter: 0.70W, Receiver: 0.30W
Temperature	Operating: 0° to 55°C Storage: -40° to 80°C Humidity: Up to 90% non-condensing
Dimensions	62.2 mm x 25 mm x 12 mm (Excluding pig-tail of 190 mm)
Weight	45.6 g
Compliance	Regulatory: FCC, CE, RoHS
Warranty	2 Years
Order Information	500487 HDMI 2.0 Fiber Dongle Extender Kit (UPC: 627699004876)

Application Example



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