HDMI

HIGH-DEFINITION MULTIMEDIA INTERFACE

iTTelecom

USER MANUAL

HDMI KVM Fiber Extender OVER IP

### P/N: ITT-HDMI-1080

Enjoy the vivid world

TX

RX

Features

* Support HDMI 1080p 60Hz.
* It supports one-to-one or one to many transmission mode and can pass through fiber switch.
* Support single-mode single fiber LC, SC interface module, factory default is LC interface module.
* TX side supports HDMI loop out.
* Support KVM function.
* Support IP transmission.
* Pure hardware design, plug and play, no need to install additional software.

Introduction

HDMI fiber extender is a device to use single mode and bidirectional fiber cable to transmit HD audio and video, the longest distance is 20km, and it support one to one and one to many mode.

Specifications

HDMI input	1080p / 720p / 480p
HDMI output	1080p / 720p / 480p
Optical fiber wavelength	1310nm/1550nm；1550nm/1310nm
Maximum power consumption	TX4w; RX3W
Power adapter specification	Input (50 Hz, 60 Hz) 100v-240 V; Output 5V / 1A
Operating temperature range	(0 to + 45 ℃)
Working range	5% to 90% RH（non-condensation)
Dimensions (L x W x H)	163x86x24 (mm)
TX weight	510g
RX weight	450g

Physical interface diagram

HDMI Transmitter
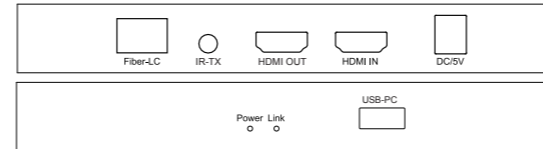
Ports	Function description
Fiber-LC	Optical fiber port SC / LC connector
HDMI IN	HDMI input
DC/5V	5V Power Interface
Power	power adapter indicator
Link	System working indicator
USB-PC	USB port (connect to pc)
IR-TX	IR transmitter port
HDMI OUT	Local HDMI loop out

HDMI Receiver
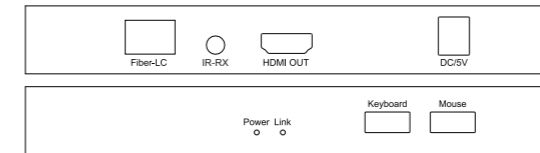
Ports	Function description
Fiber-LC	Fiber LC / SC port
HDMI OUT	HDMI output
DC/5V	5V Power Interface
Power	Power adapter indicator
Link	System working indicator
Keyboard	Connect to keyboard
Mouse	Connect to mouse
IR-RX	IR receiver port

Connection and operation

1. Connect the HDMI signal to the HDMI Transmitter with HDMI cable
2. Connect the HDMI receiver to the HDTV display with HDMI cable
3. Use one fiber cable up to 20km to connect the Fiber-LC type port of Transmitter and Receiver.
4. Connect two pieces of 5V power supply to the transmitter and receiver, power supply for the equipment and the LED indicator light on. When Link lamp on, equipment starts normal

Application diagrams

One to many applications
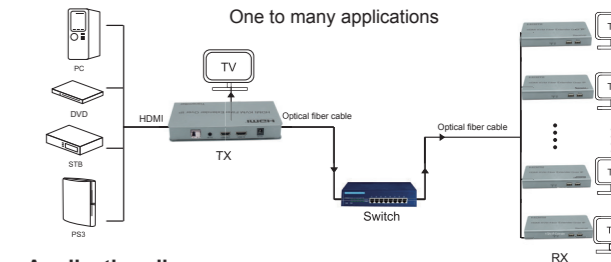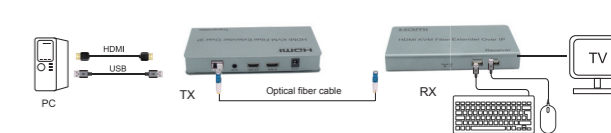
Application diagrams

Audio-visual conference   Command and control center   Home theater

Package include

1: HDMI fiber extender transmitter	1PCS	3: DC 5V power supply	2PCS
2: HDMI fiber extender receiver	1PCS	4: User's Manual	1PCS
5:IR cable	1Pair		