

# MPTP-TUH-100KVM

4K HDBaseT 2.0 KVM Extender Set



4K@60Hz

100m Transmission

HDCP 2.2

USB + RS232

PoC

## PRODUCT OVERVIEW

The MPTP-TUH-100KVM is a 4K HDMI extender set using HDBaseT 2.0 technology to extend uncompressed HDMI video, audio, USB 2.0, control signals and PoC over a single CAT5e/CAT6 cable. It supports EDID Pass-Thru, HDCP 2.2, USB remote access and bi-directional RS232 control.

## TECHNICAL SPECIFICATIONS

| Parameter                    | Specification                             |
|------------------------------|-------------------------------------------|
| Transmitter Input            | (1) HDMI                                  |
| Transmitter Input Connector  | (1) 19 pin Type-A male HDMI               |
| Transmitter Output           | (1) HDBT, (1) USB OUT                     |
| Transmitter Output Connector | (1) RJ45, (1) Type-B USB                  |
| Transmitter Control          | (1) RS232; 3-pin pluggable terminal block |
| Receiver Input               | (1) HDBT, (1) USB IN                      |
| Receiver Input Connector     | (1) RJ45, (1) Type-A USB                  |
| Receiver Output              | (1) HDMI                                  |
| Receiver Output Connector    | (1) 19 pin Type-A male HDMI               |
| Receiver Control             | (1) RS232; 3-pin pluggable terminal block |
| HDMI Standard                | 1.4                                       |
| HDCP                         | 2.2                                       |
| Video Resolution             | Up to 4K@60Hz 4:2:0                       |
| Transmission Distance        | 1080p / 4K@60Hz ≤ 100m (Cat6)             |
| Bandwidth                    | 10.2Gbps                                  |
| HDMI Audio Format            | PCM, Dolby Digital, DTS, DTS-HD           |
| EDID Management              | EDID Pass-Thru                            |
| Operating Temperature        | -5 ~ +55°C                                |
| Storage Temperature          | -25 ~ +70°C                               |
| Relative Humidity            | 10% ~ 90%                                 |

| Parameter          | Specification                          |
|--------------------|----------------------------------------|
| Power Supply       | Input: 100V~240V AC; Output: DC 12V 2A |
| Power Consumption  | 18W (max)                              |
| Dimensions (W×H×D) | 116 × 22 × 95 mm                       |
| Net Weight         | TX: 197g; RX: 198g                     |

## KEY FEATURES

- Compatible with HDMI 1.4 and backwards compatible with previous HDMI standards.
- Supports HDBaseT 2.0 and transmits 1080p/4K signals up to 100m over a single CAT6 cable.
- EDID Pass-Thru and HDCP 2.2 compliant.
- USB and RS232 control with front-panel Power, HDBT Link and HDCP status LEDs.
- Unidirectional PoC powers the Receiver from the Transmitter, requiring only one power supply.

## PACKAGE CONTENTS

1× Transmitter   1× Receiver   2× TX mounting ears with screws   2× RX mounting ears with screws   2× RS232 cables   1× DC 12V 2A power adapter   1× User manual

Source: MPTP-TUH-100KVM User Manual, Version MPTP-TUH-100KVM\_2020V1.4. Specifications reproduced from the supplied manual.