

MPTP-TUC-100KVM

USB-C KVM Extender over HDBT



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Product Overview

The MPTP-TUC-100KVM is a USB-C KVM Extender Kit that transmits one USB channel over distances of up to 328 ft (100 m) at 4K@60Hz/1080p@60Hz via CATx cable. The kit includes one transmitter and one receiver.

Key Features

- Supports HDMI 2.0b, 4K@60Hz 4:4:4 and HDCP 2.2 compliance.
- USB-C input supports 4K@60Hz 4:4:4.
- Transmits 4K/1080p signals up to 328 ft (100 m).
- Supports bi-directional 24V PoC power supply.
- 4 × USB 2.0 ports for connecting KVM devices.
- Micro-USB port for firmware upgrade.

Applications / Connectivity

The transmitter provides a USB-C input and HDBT output. The receiver provides an HDMI output, HDBT input and four USB 2.0 ports for KVM devices such as a camera, keyboard and mouse.

Technical Specifications

MPTP-TUC-100KVM

Parameter	Transmitter	Receiver
Video Input	1 × USB-C IN	1 × HDBT IN
Input Connector	1 × Type-C	1 × RJ45
Input Resolution	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4
Video Output	1 × HDBT OUT	1 × HDMI OUT
Output Connector	1 × RJ45	1 × Type-A female HDMI
Output Resolution	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4
Control Part	4 × DEVICE	4 × DEVICE; 1 × HOST; 1 × ARC Switch; 1 × USB Switch; 1 × IR IN; 1 × IR OUT; 1 × RS232; 1 × ETHERNET
Control Connector	2 × Type-A USB 2.0, 5V/500mA 1 × Type-A USB 2.0, 5V/1A 1 × Type-C USB 2.0, 5V/1A	2 × Type-A USB 2.0, 5V/500mA 1 × Type-A USB 2.0, 5V/1A 1 × Type-C USB 2.0, 5V/1A
HDCP	HDCP 2.2 / HDCP 1.4 compliant	HDCP 2.2 / HDCP 1.4 compliant
PoC	Bi-directional 24V PoC	Bi-directional 24V PoC
HDMI 2.0 Cable Length	4K@60Hz 4:4:4 ≤ 5 m 4K@60Hz 4:2:0 ≤ 15 m 1080p ≤ 20 m	4K@60Hz 4:4:4 ≤ 5 m 4K@60Hz 4:2:0 ≤ 15 m 1080p ≤ 20 m
Transmission Distance	4K/1080p ≤ 328 ft (100 m)	4K/1080p ≤ 328 ft (100 m)
Operating Temperature	-5 to +55°C (+23 to +131°F)	-5 to +55°C (+23 to +131°F)
Storage Temperature	-25 to +70°C (-13 to +158°F)	-25 to +70°C (-13 to +158°F)
Relative Humidity	10% to 90%, non-condensing	10% to 90%, non-condensing
Power Supply	Input: 100V–240V AC Output: 24V DC, 1.25A	Input: 100V–240V AC Output: 24V DC, 1.25A
Power Consumption	18.2 W	18.2 W
Dimensions (W×H×D)	90 × 21.7 × 120 mm	90 × 21.7 × 120 mm
Net Weight	260 g	265 g

Package Contents

- 1 × Transmitter
- 1 × Receiver
- 1 × Power Adaptor (24VDC, 1.25A)
- 4 × Mounting Ears & 4 × Screws
- 1 × User Manual

Panel Connections

Transmitter: USB-C IN, Micro-USB FW, HDBT OUT, DC 24V and Power LED. **Receiver:** HDMI OUT, 4 × USB 2.0 DEVICE ports, HDBT IN, DC 24V and Power LED.