

MPHUC-T70WPT4K

3×1 Wallplate Transmitter Switcher Kit



The MPHUC-T70WPT4K is a 3×1 wallplate transmitter switcher kit comprising a wallplate transmitter and receiver. It switches and extends HDMI or USB-C signals over a single CATx cable, supporting up to 40 m at 4K and 70 m at 1080p.

KEY FEATURES

- HDMI input support up to 4K@60Hz 4:4:4; USB-C input up to 4K@30Hz 4:4:4.
- HDMI 2.0 and HDCP 2.2 compliant; 18 Gbps bandwidth.
- Transmission up to 131 ft / 40 m at 4K@60Hz and 229 ft / 70 m at 1080p@60Hz.
- 3 inputs: 2× HDMI + 1× USB-C, with active-input auto switching.
- USB-C supports video and USB data transmission; receiver provides USB 2.0 KVM connectivity.
- Bidirectional IR pass-through, RS232 control and CEC display control.
- Bidirectional 24V PoC power and 12–48V wide-voltage power receiving; one power adapter required.
- Micro-USB firmware upgrade ports.

TECHNICAL SPECIFICATIONS — SWITCHER

Parameter	Specification
Inputs	2× HDMI, 1× USB-C
Input Connectors	2× HDMI Type-A female, 1× USB-C Type-C
HDMI Input Resolution	Up to 4K@60Hz 4:4:4
USB-C Input Resolution	Up to 4K@30Hz 4:4:4
Output	1× HDBT OUT
Output Connector	1× RJ45
HDBT Output Resolution	Up to 4K@60Hz 4:4:4
Control Ports	IR, HOST, FIRMWARE, RS232, IR IN, IR OUT
Control Connectors	Built-in IR sensor, USB 2.0 Type-B, Micro-USB, 2× 3-pin terminal blocks, 1× 2-pin terminal block
Bandwidth	18 Gbps
HDMI / HDCP	HDMI 2.0 / HDCP 2.2
Transmission Distance	1080p ≤ 70 m; 4K@60Hz ≤ 40 m
Power	Input 100–240V AC; output 24V DC 1.25A
Power Consumption	20 W max. (with extra HDBaseT receiver)

Parameter	Specification
Operating Temperature	–5°C to +55°C
Storage Temperature	–25°C to +70°C
Relative Humidity	10%–90%
Dimensions (W×H×D)	146 × 86 × 42 mm
Net Weight	240 g

TECHNICAL SPECIFICATIONS — RECEIVER	
Parameter	Specification
Input	1× HDBT via RJ45
Output	1× HDMI via Type-A female
Control Ports	FW, IR IN, IR OUT, RS232, 3× USB IN
USB Ports	3× USB 2.0 Type-A; ports 1/2: 5V 500mA, port 3: 5V 1A
Bandwidth	18 Gbps
HDMI / HDCP	HDMI 2.0 / HDCP 2.2
Video Resolution	Up to 4K@60Hz 4:4:4
Transmission Distance	1080p ≤ 70 m; 4K@60Hz ≤ 40 m
Power Input	24V DC 1.25A; AC adapter input 100–240V AC, 50/60Hz
Power Consumption	20 W max. (with switcher)
Operating Temperature	–5°C to +55°C
Storage Temperature	–25°C to +70°C
Relative Humidity	10%–90%, non-condensing
Dimensions (W×H×D)	152 × 23.5 × 84 mm
Net Weight	300 g

PACKAGE CONTENTS

1× Wallplate Transmitter Switcher • 1× Receiver • 1× 24V DC 1.25A Power Adapter • 1× 2-pin Terminal Block • 3× 3-pin Terminal Blocks • 2× Mounting Ears with 2 Screws • 1× User Manual

Source: MPHUC-T70WPT4K User Manual, Version MPHUC-T70WPT4K_2023V1.0. Specifications are reproduced from the supplied manual.