

MP-EDU-KIT

HDBaseT Educational Kit



Professional AV connectivity and control for education spaces

MP-EDU-KIT combines an HDBaseT transmitter, HDBaseT receiver and customizable control panel for classrooms, presentation rooms and boardrooms. It supports two HDMI sources, long-distance HDBaseT transmission, microphone input, amplified audio and convenient front-panel / web-based control.

KEY FEATURES

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| • Switch freely between two HDMI signal inputs | • HDMI output resolution up to 1920×1200 @ 60 Hz |
| • HDCP 1.4 support | • Microphone input |
| • 2 × 20 W @ 4 Ω amplifier output | • Customizable control panel with IR learning |
| • Read/write IR learning data | • UPnP support |

TRANSMITTER — TECHNICAL SPECIFICATIONS

Video Inputs	2 × HDMI
Video Output	1 × HDBT + Power
HDMI Connector	19-pin Type A HDMI female
HDBT Connector	RJ45
Transmission Mode	HDBaseT
Control Ports	1 × USB; 1 × Micro USB
Supported Resolutions	Up to 1920×1200; also supports 1920×1080, 1080i, 1600×1200, 1400×1050, 1366×768, 1280×1204 and other listed PC/video formats
Deep Color	24-bit at 1920×1080 (24/25/30/50/60 Hz) 4:4:4; 48-bit at 1920×1080 (50/60 Hz) 4:4:4
Transmission Distance	Up to 30 m @ 1080p/60 via Cat5e/Cat6a cable
Bandwidth	10.2 Gbps
HDMI Standard	HDMI 1.4; HDCP 1.4
Operating Temperature	0–50 °C
Relative Humidity	10–90%
Dimensions (W×H×D)	105 × 89 × 44 mm
Weight	242 g

RECEIVER — TECHNICAL SPECIFICATIONS

Video Input	1 × HDBT + Power
Video Output	1 × HDMI
HDMI Connector	19-pin Type A HDMI female
Audio Input	1 × MIC
Audio Outputs	1 × amplifier (2 × 20 W @ 4 Ω); 1 × analog audio (LINE OUT)
Audio Connectors	3-pin pluggable terminal block input; 4-pin / 3-pin pluggable terminal block outputs

Control Ports	1 × USB-A; 1 × IR OUT (3.5 mm); 1 × RS232; 1 × TCP/IP (RJ45)
Other Port	1 × REMOTE MUTE (2-pin pluggable terminal block)
Audio Formats	HDMI embedded: PCM/Dolby/DTS; MIC input: PCM/Dolby Digital/DTS/DTS-HD; analog output: PCM
Transmission Distance	Up to 30 m @ 1080p/60 via Cat5e/Cat6a cable
Bandwidth	10.2 Gbps
HDMI Standard	HDMI 1.4; HDCP 1.4
Power Supply	DC 24 V, 2.71 A
Power Consumption	55 W (Max.)
Operating Temperature	0–50 °C
Relative Humidity	10–90%

CONTROL PANEL — TECHNICAL SPECIFICATIONS

Program Port	1 × Micro USB
Output Port	1 × RS232 + Power
Controls	1 × knob; 4 × buttons (ON, OFF, HDMI 1, HDMI 2)
Sensor	1 × built-in IR sensor
Dimensions (W×H×D)	114 × 70 × 34 mm
Weight	140 g
Operating Temperature	0–50 °C
Relative Humidity	10–90%

SYSTEM & APPLICATION HIGHLIGHTS

The kit is designed for classrooms, presentation rooms and boardrooms. The transmitter accepts two HDMI sources and sends the selected signal to the receiver over HDBaseT. The receiver provides HDMI display output plus microphone and amplified audio connectivity. The control panel provides simple source/display/system control, while the system also supports web-based GUI control and PoC for synchronized power delivery.

PACKAGE CONTENTS

• 1 × Transmitter	• 1 × Receiver
• 1 × Control Panel	• 1 × DC 24 V / 2.71 A power adapter
• 2 × Receiver mounting ears	• 4 × mounting-ear screws
• 4 × receiver rubber feet	• 1 × 4-pin pluggable terminal block
• 3 × 3-pin pluggable terminal blocks	• 1 × 2-pin pluggable terminal block
• 1 × IR emitter	• 1 × USB control cable (USB-A to USB-B)
• 1 × White face plate	• 1 × User Manual

Source: MP-EDU-KIT User Manual, Version MP-EDU-KIT_2016V1.0. Specifications are transcribed from the supplied manual; confirm latest production specifications with the manufacturer before publication.