

MPTP-T40S-8k

40G HDMI Extender w/eARC over HDBT 3.0



TRANSMITTER (TX)



RECEIVER (RX)

PRODUCT OVERVIEW

MPTP-T40S-8k is a 1 HDMI in / 1 HDMI out 40G 8K HDMI Extender with a transmitter and receiver. It supports up to 8K@30Hz 4:4:4 10bit or 4K@120Hz 4:4:4 10bit video and extends signals up to 40 m at 8K resolution using CAT 6A Ethernet cable. It also supports eARC, advanced EDID and HDCP management, interactive IR pass-through and two-way PoC.

KEY FEATURES

Extension up to 40 m

- Supports eARC from HDMI or SPDIF
- EDID / HDCP management

- HDMI loop output on transmitter
- Two-way IR and PoC

TECHNICAL SPECIFICATIONS

Parameter	Transmitter (TX)	Receiver (RX)
Video Input	1 × HDMI IN	1 × HDBT IN
Input Connector	1 × HDMI connector	1 × RJ45
Video Output	1 × HDBT OUT; 1 × HDMI LOOP OUT	1 × HDMI OUT
Output Connector	1 × RJ45; 1 × HDMI output	1 × Type-A female HDMI
Supported Resolution	Up to 8K@30Hz 4:4:4 10bit or 4K@120Hz 4:4:4 10bit	Up to 8K@30Hz 4:4:4 10bit or 4K@120Hz 4:4:4 10bit
Audio Outputs	1 × SPDIF; 1 × L/R analog; 1 × HDMI digital	1 × SPDIF; 1 × L/R analog; 1 × HDMI digital
Digital SPDIF Audio	PCM 2.0, Dolby Digital, DTS, DTS-HD	PCM 2.0, Dolby Digital, DTS, DTS-HD
Analog Stereo Audio	PCM 2.0	PCM 2.0
HDMI Digital Audio	All HDMI-supported audio formats	All HDMI-supported audio formats
Control	1 × IR IN; 1 × IR OUT	1 × IR IN; 1 × IR OUT
EDID / HDCP	4-pin DIP EDID; HDCP management	HDCP status follows system
Firmware Upgrade	1 × USB-C; 1 × 1-pin DIP	1 × USB-C; 1 × 1-pin DIP

MPTP-T40S-8k — GENERAL & INSTALLATION DATA

Additional specifications from the supplied user manual

General Parameter	Specification
Bandwidth	40 Gbps
HDMI Standard	HDMI 2.0
HDCP	Input: HDCP 2.3, HDCP 2.2 / 1.4 compliant; HDCP management supported
Two-way PoC	Supported, two-way 24V
Transmission Standard	HDBaseT 3.0
Transmission Distance	8K@30Hz 4:4:4 10bit ≤ 40 m; 4K@30Hz 4:4:4 10bit ≤ 70 m
HDMI V2.0 Cable Length	8K@30Hz 4:4:4 10bit ≤ 40 m; 4K@30Hz 4:4:4 10bit ≤ 70 m
Operating Temperature	-5°C to +55°C (+23°F to +131°F)
Storage Temperature	-25°C to +70°C (-13°F to +158°F)
Relative Humidity	10% to 90%, non-condensing
Power Supply	DC 24V 1.5A
Dimensions (W × H × D)	120.0 × 21.7 × 115.0 mm (TX and RX)
Net Weight	TX: 340 ± 10 g; RX: 360 ± 10 g

INTERFACES & CONTROL

TX Front Panel	HDMI IN (eARC), HDMI LOOP OUT, SPDIF OUT, L/R OUT, EDID switch, HDCP switch
TX Rear Panel	HDBT OUT, IR IN, IR OUT, MCU/FW DIP switch, USB-C, DC 24V, power LED
RX Front Panel	HDMI OUT (eARC), eARC/HDMI/SPDIF selector, SPDIF IN, SPDIF OUT, L/R OUT
RX Rear Panel	HDBT IN, IR IN, IR OUT, MCU/FW DIP switch, USB-C, DC 24V, power LED
RS232 / USB-C Control	Bi-directional RS232 command transmission; third-party device control supported
RS232 Baud Rates	2400, 4800, 9600 (default), 19200, 38400, 57600, 115200

PACKING LIST

- MPTP-T40S-8k-TX × 1
- MPTP-T40S-8k-RX × 1
- 24V 1.5A DC power supply (EU plug) × 1
- Mounting ear with screw × 4
- Mounting root × 1
- User Manual × 1

Note: The supplied manual recommends using a high-quality HDMI cable fully compliant with HDMI 2.0 for reliable transmission and connection.

Source: MPTP-T40S-8k User Manual, Version MPTP-T40S-8k_V1.0. Specifications/functions in the supplied manual were stated as updated through July 2025.