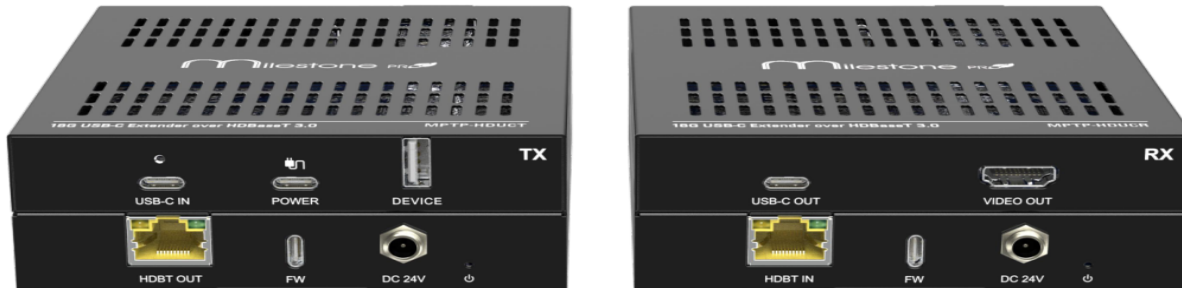


MPTP-HDUC

18G USB-C Extender over HDBaseT 3.0

18G USB-C Extender over HDBaseT 3.0



PRODUCT OVERVIEW

MPTP-HDUC is an extender designed to transmit USB-C video signals over HDBaseT 3.0. It supports USB-C video up to 4K@60Hz 4:4:4 and transmission up to 100m. The system provides two-way 24V PoC, PD charging for the USB-C input, and an additional USB-A port for KVM control.

KEY FEATURES

- USB-C video input up to 4K@60Hz 4:4:4 in DP Alt Mode.
- Transmits 4K@60Hz 4:4:4 or 1080p signals up to 100m.
- Supports two-way 24V Power over Cable (PoC).
- PD 3.0 charging support up to 100W for USB-C input.
- Additional USB-A 2.0 port for KVM control.
- Receiver provides USB-C and HDMI 2.0 video outputs.

SPECIFICATIONS

Category	Specification
Transmitter – Video Input	1 × USB-C, up to 4K@60Hz 4:4:4 in DP Alt Mode
Transmitter – Audio Input	1 × USB-C, digital audio input
Transmitter – Video Output	1 × RJ-45 for HDBT OUT
USB-C Power	1 × USB-C with PD 3.0, up to 100W
USB-A	1 × USB 2.0 Type-A
Receiver – Video Input	1 × RJ-45 for HDBT IN
Receiver – USB-C Video Output	1 × USB-C, up to 4K@60Hz 4:4:4 in DP Alt Mode; up to 5V/0.5A
Receiver – HDMI Video Output	1 × HDMI 2.0 Type-A, up to 4K@60Hz 4:4:4
Receiver – Audio Output	1 × USB-C + 1 × HDMI 2.0 Type-A; digital audio output
Control	1 × USB-C for transmitting motion commands from USB-C touch screen
HDBaseT Standard	HDBaseT 3.0
HDBT Transmission Distance	4K@60Hz 4:4:4 or 1080p → up to 100m
HDMI Cable Length	4K@60Hz 4:4:4 → 5m; 4K@30Hz 4:4:4 → 10m; 1080p → 15m

Category	Specification
Operating Temperature	-10°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10%–90%
Power	DC 24V / 1.25A
Power Consumption	Less than 23.1W
Dimensions (W × H × D)	TX / RX: 210 × 110 × 12.5 mm
Net Weight	TX / RX: 335g

PACKAGE CONTENTS

- 1 × MPTP-HDUCT Transmitter
- 1 × MPTP-HDUCR Receiver
- 4 × Mounting ears with 4 screws
- 8 × Rubber feet
- 1 × Power adapter
- 1 × User manual

SYSTEM / CONNECTIVITY

The manual's system connection diagram shows a USB-C source connected to the transmitter, HDBT connection between transmitter and receiver, and receiver outputs to an interactive whiteboard and TV. The diagram also illustrates PoC over the HDBT link. See page 8 of the user manual.

Source: MPTP-HDUC User Manual, Version MPTP-HDUC_2026V1.0. Specifications reproduced from the supplied manual.