

TECHNICAL SPECIFICATION

EHB-250-W



Introduction

This HDBaseT transmitter extends HDMI over a single Cat 6/6a cable transmitting 18Gbps 4K 60Hz (4:4:4) up to 132ft/40m and 1080P 60Hz up to 328ft/100m. This product offers support for one independent analog audio, one way RS-232 signal passthrough with HDMI and USB unidirectional signal transmission. This powerful product combo is perfect for classrooms and meeting room applications.

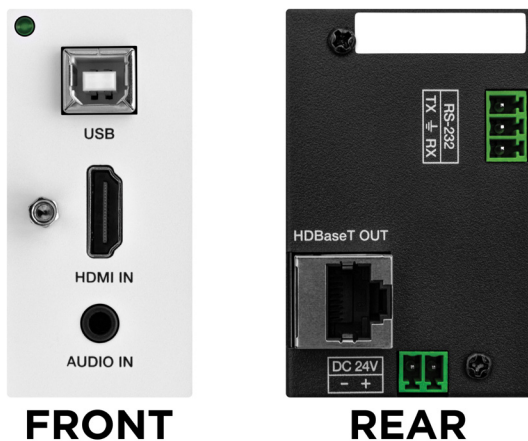
Key Features

- HDMI 2.0b (18Gbps)
- HDCP 2.2 / 1.4 compliant
- Supports 4K@60Hz up to 132ft (40m) over Cat 6/6a
- Supports 1080P@60Hz up to 328ft (100m) over Cat 6/6a
- 1 HDMI input, 1 Gang US Decora Wall Plate
- Supports USB 2.0 with USB-B input
- Supports HDR and CEC pass-through



4K UHD

TRANSMITTER



RECEIVER



HDBaseT 4K HDMI 2.0 Set with USB 2.0 and Audio

Part Number:	EHB-250-W
Revision Number:	5
Date:	5-28-25
Page Number:	1 of 2

1723 W. 4th Street Tempe Arizona 85281
P: 800.638.6104 | F: 480.966.6728 | E: sales@covid.com | www.covid.com

Disclaimer: Conditions of use may vary. Information is subject to change without notice.

TECHNICAL SPECIFICATION

EHB-250-W



Technical Specifications

Technical

HDMI Compliance.....HDMI 2.0b
HDCP Compliance.....HDCP 2.2 and HDCP 1.4
Video Bandwidth.....18Gbps
Video Resolution.....4K@60Hz up to 132ft (40m), 1080P@60Hz up to 328ft (100m)
Color Space.....RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth.....8-bit, 10-bit, 12-bit
HDMI Audio Formats.....LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Optical Audio Formats.....LPCM 2CH, LPCM 5.1, Dolby Digital 2/5.1CH, DTS 2/5.1CH
ESD Protection.....Human body model - +/- 8kV (air-gap discharge) & +/-4kV (contact discharge)

Connections

Transmitter

Input Ports.....1x HDMI IN, 1x AUDIO IN, 1x USB-B IN, 1x RS-232 3-Pin Phoenix, 1x DC 24V/GND 2-Pin Phoenix
Output Ports.....1x HDBaseT OUT RJ45

Receiver

Input Ports.....1x HDBaseT IN RJ45, 1x DC 24V Locking Power
Output Ports.....1x HDMI OUT, 1x AUDIO OUT, 1x RS-232 3-Pin Phoenix, 2x USB-A OUT

Mechanical

Housing.....Metal Enclosure
Color.....**TX:** White-Front Panel, Black-Rear Case **RX:** Black
Dimensions.....**TX:** 103.5mm [W] x 46mm [D] x 30mm [H] **RX:** 140mm [W] x 75mm [D] x 23mm [H]
Weight.....**TX:** 163g **RX:** 200g
Power Supply Input.....AC100 - 240V 50/60Hz
Power Supply Output.....DC 24V/1A
Power Consumption.....9W (Max)
Operation Temperature.....32° - 104 °F / 0° - 40 °C
Storage Temperature.....-4° - 140°F / -20° - 60°C
Relative Humidity.....20 - 90% RH (No Condensation)

HDBaseT 4K HDMI 2.0 Set with USB 2.0 and Audio

Part Number:	EHB-250-W
Revision Number:	5
Date:	5-28-25
Page Number:	2 of 2

1723 W. 4th Street Tempe Arizona 85281

P: 800.638.6104 | F: 480.966.6728 | E: sales@covid.com | www.covid.com

Disclaimer: Conditions of use may vary. Information is subject to change without notice.