

HDBT-UUB12H-100M

USB-C To USB-C/HDMI HDBaseT Extender 100M w USB2.0



The ABtUS HDBT-UUB12H-100M is an extender that delivers crystal-clear video transmission with USB-C input supporting resolutions up to 4K@60Hz 4:4:4 or 1080p video signals over distances up to 100 meters, ensuring reliable performance across long cable runs. The system supports two-way 24V Power over Cable (PoC), simplifying installation by allowing power to be supplied from either end. Additionally, the USB-C input benefits from PD charging, keeping connected devices powered during use. An extra USB-A port enables KVM control, marking it ideal for interactive workspaces and remote desktop applications.

Features

- USB-C video up to 4K@60Hz 4:4:4.
- Transmit 4K@60Hz 4:4:4 or 1080p up to 100m.
- Supports two-way 24V PoC.
- Provide PD charging for USB-C IN.
- Extra USB-A for KVM control.

Technical specification

	TX	RX																
Input:	1 x USB-C, DP Alt Mode 1x USB-C, PD Charging	1 x RJ-45 for HDBaseT IN																
Output:	1 x RJ-45 for HDBaseT OUT	1 x USB-C, DP Alt Mode Provide up to 5V/0.5A																
USB-A	1 x USB 2.0 Type-A																	
PD Standard	PD 3.0, Up to 100W																	
Video Resolution	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4																
HDCP Version	Input: HDCP2.2, HDCP 1.4 compliant Output:																	
	<table><tr><td>Display Source</td><td>HDCP 2.2</td><td>HDCP 1.4</td><td>NO HDCP</td></tr><tr><td>HDCP 2.2</td><td>HDCP 2.2</td><td>NO SIGNAL</td><td>NO SIGNAL</td></tr><tr><td>HDCP 1.4</td><td>HDCP 1.4</td><td>HDCP 1.4</td><td>NO SIGNAL</td></tr><tr><td>NO HDCP</td><td>NO HDCP</td><td>NO HDCP</td><td>NO HDCP</td></tr></table>	Display Source	HDCP 2.2	HDCP 1.4	NO HDCP	HDCP 2.2	HDCP 2.2	NO SIGNAL	NO SIGNAL	HDCP 1.4	HDCP 1.4	HDCP 1.4	NO SIGNAL	NO HDCP	NO HDCP	NO HDCP	NO HDCP	
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General

Control	1 x USB-C, For transmitting motion commands from the USB-C touch screen. 1 x USB-A, For keyboard and mouse	
HDBT Standard	HDBaseT 3.0	
HDBT Transmission Distance	4K@60Hz 4:4:4 → 100m	
HDMI Cable Length	4K@60Hz 4:4:4 → 5m 4K@30Hz 4:4:4 → 10m 1080p → 15m"	
Operation Temperature	-10°C ~ +55°C	
Storage Temperature	-25°C ~ +70°C	
Relative Humidity	10%-90%	
Power	DC 24V/1.25A	
Power Consumption	23.1W	
Dimension (W x H x D)	210 x 110 x 12.5mm	210 x 110 x 12.5mm
Net Weight	335g	335g

Typical applications

- Schools (Classroom, Lab, Hall etc.) • Churches • Corporate Applications (Board Room, Function Room etc) • Rental

Diagram

