HDBaseT Comparison Guide

Eliminate cable clutter, simplify installations and reduce cost without compromising data, power, and 4K performance over longer distances

HDBaseT delivers ultra high definition video and audio, Ethernet, controls, USB, and up to 100W of power over a single cable in conference rooms, classrooms, lecture halls, and many other installation needs that are far beyond the length limitations of standard cabling.

- **Long-distance transmission** – up to 328ft
- **Performance** – delivering up to 4K video
- **Multi-channel audio** – up to 32 channels
- **Signal convergence** – data and control options
- **CEC pass-through** – control all compatible HDMI devices
- **Secure** – HDCP 2.2 compliant
- **Simplicity** – easy cable installation
- **Power** – single power supply
- **Technology** – latest HDBaseT chipsets
- **Support** – 5-year warranty

HDBaseT Wall Plate to Box Kits

C2G ®
A brand of **legrand**

Part #	C2G30011		C2G30012		C2G30024		C2G30030	
	Transmitter (Tx)	**Receiver (Rx)**	**Transmitter (Tx)**	**Receiver (Rx)**	**Transmitter (Tx)**	**Receiver (Rx)**	**Transmitter (Tx)**	**Receiver (Rx)**
Form Factor	Dual Gang Decorative Wall Plate-White	Box-Black	Dual Gang Decorative Wall Plate-White	Box-Black	Single Gang Decorative Wall Plate-White	Box-Black	Single Gang Decorative Wall Plate-White	Box-Black
HDMI	✔ In	✔ Out	✔ In	✔ Out	✔ In	✔ Out	✔ In	✔ Out
USB-C	✔ In	—	—	—	—	—	—	—
VGA	—	—	✔ In	—	—	—	—	—
Audio	✔ 3.5mm In pass-through	✔ (x2) Out De-embed HDMI & pass-through	✔ 3.5mm VGA audio pass-through	✔ (x2) Out De-embed HDMI & pass-through	✔ Audio over the HDMI connection		✔ Audio over the HDMI connection	
USB-B 2.0	✔ In	—	✔ In	—	✔ In	—	✔ In	—
USB-A 2.0	—	✔ (x4) Out	—	✔ (x4) Out	—	✔ (x4) Out	—	✔ (x4) Out
USB Micro-B	✔ Firmware upgrades & device control	—	✔ Firmware upgrades & device control	—	—	—	—	—
RS232	—	✔ Serial communication	—	✔ Serial communication	✔ Command pass-through & TX/RX upgrade mode		✔ Command pass-through & TX/RX upgrade mode	
IR	—	—	—	—	—	—	—	—
HDBaseT Chipset	VS210		VS210		VS210		VS210	
Maximum Extension Length (ft) using Cat6a	130ft - 4K 60Hz 230ft - 1080p 230ft - USB 2.0		130ft - 4K 60Hz 230ft - 1080p 230ft - USB 2.0		130ft - 4K 60Hz 230ft - 1080p 230ft - USB 2.0		130ft - 4K 60Hz 230ft - 1080p 230ft - USB 2.0	
Power	12V		12V		12V		12V	
	Power over HDBaseT (PoH) RX powers the TX		Power over HDBaseT (PoH) RX powers the TX		Power over HDBaseT (PoH) RX powers the TX		Power over HDBaseT (PoH) RX powers the TX	

(Row labels: Audio/Video — HDMI, USB-C, VGA, Audio; Data & Control — USB-B 2.0, USB-A 2.0, USB Micro-B, RS232, IR)

HDBaseT Box to Box Kits

C2G. A brand of **legrand**

Part #	C2G30010		C2G30013		C2G30026	
Form Factor	**Transmitter (Tx)**	**Receiver (Rx)**	**Transmitter (Tx)**	**Receiver (Rx)**	**Transmitter (Tx)**	**Receiver (Rx)**
	Box-Black	Box-Black	Box-Black	Box-Black	Box-Black	Box-Black
HDMI	✔ In	✔ Out	✔ In	✔ Out	✔ In	✔ Out
USB-C	—	—	—	—	—	—
VGA	—	—	—	—	—	—
Audio	✔ Audio over the HDMI connection		✔ 3.5mm pass-through		✔ Audio over the HDMI connection	
USB-B 2.0	—	—	✔ In	—	—	—
USB-A 2.0	—	—	—	✔ (x4) Out	—	—
USB Micro-B	—	—	—	—	—	—
RS232	—	—	✔ Bi-directional pass-through		✔ Bi-directional pass-through	
IR	—	—	—	—	✔ Bi-directional pass-through	
HDBaseT Chipset	VS210		VS210		VS100	
Maximum Extension Length (ft) using Cat6a	130ft - 4K 60Hz 230ft - 1080p		130ft - 4K 60Hz 230ft - 1080p 230ft - USB 2.0		328ft - 4K 30Hz 328ft - 1080p	
Power	18V		12V		18V	
	Bi-directional Power over Cable (PoC) powered by TX or RX		Power over HDBaseT (PoH) TX powers the RX		Bi-directional Power over Cable (PoC) powered by TX or RX	

Audio/Video (row group label)
Data & Control (row group label)

SIMPLIFIED CONNECTIVITY

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HDBaseT Wall Plate Transmitters

	Part #	C2G30017	C2G30019	C2G30021	C2G30022
		Transmitter (Tx)	Transmitter (Tx)	Transmitter (Tx)	Transmitter (Tx)
	Form Factor	Dual Gang Decorative Wall Plate-White	Dual Gang Decorative Wall Plate-White	Single Gang Decorative Wall Plate-White	Single Gang Decorative Wall Plate-White
Audio/Video	HDMI	✔ In	✔ (x2) HDMI In	✔ In	✔ (x2) HDMI In
	USB-C	—	✔ In	—	—
	VGA	✔ In	—	—	—
	Audio	✔ 3.5mm VGA audio pass-through	✔ 3.5mm In pass-through	✔ Audio over the HDMI connection	✔ Audio over the HDMI connection
Data & Control	USB-B 2.0	—	✔ In	—	—
	USB-A 2.0	—	—	—	—
	USB Micro-B	—	✔ Firmware upgrades & device control	—	—
	RS232	✔ Pass-through	—	✔ Pass-through	✔ Pass-through
	IR	✔ Pass-through	—	✔ One way pass-through	—
	HDBaseT Chipset	VS100	VS210	VS010	VS010
	Maximum Extension Length (ft) using Cat6a	130ft - 4K 60Hz 230ft - 1080p 230ft - VGA	130ft - 4K 60Hz 230ft - 1080p 230ft - USB 2.0	130ft - 4K 60Hz 230ft - 1080p	130ft - 4K 60Hz 230ft - 1080p
	Power	18V	12V	12V	12V
		Power over Cable (PoC) RX powers the TX	Power over HDBaseT (PoH) RX powers the TX	Power over Cable (PoC) RX powers the TX	Power over Cable (PoC) RX powers the TX
	Compatible C2G HDBaseT Receivers (RX)	C2G30015 C2G30016	C2G30020	C2G30015 C2G30016	C2G30015 C2G30016

HDBaseT Box Transmitters

	Part #	C2G30014	C2G30018
	Form Factor	**Transmitter (Tx)**	**Transmitter (Tx)**
		Box-Black	Box-Black
Audio/Video	**HDMI**	✔ In	✔ (x2) HDMI In
	USB-C	—	—
	VGA	—	✔ In
	Audio	✔ Audio over the HDMI connection	✔ 3.5mm VGA audio pass-through
Data & Control	**USB-B 2.0**	—	—
	USB-A 2.0	—	—
	USB Micro-B	—	✔ Firmware upgrades & Device control
	RS232	✔ Pass-through	✔ Control local and remote devices
	IR	✔ Bi-directional pass-through	✔ One-way IR pass-through
	HDBaseT Chipset	VS010	VS010
	Maximum Extension Length (ft) using Cat6a	130ft - 4K 60Hz 230ft - 1080p	130ft - 4K 60Hz 230ft - 1080p 230ft - VGA
	Power	18V	18V
		Bi-directional Power over Cable (PoC) powered by TX or RX	Bi-directional Power over Cable (PoC) powered by TX or RX
	Compatible C2G HDBaseT Receivers (RX)	C2G30015 C2G30016 29299	C2G30015 C2G30016

HDBaseT Box Receivers

Part #	C2G30015	C2G30016	C2G30020
Form Factor	Receiver (Rx)	Receiver (Rx)	Receiver (Rx)
	Box-Black	Box-Black	Box-Black
HDMI	✔ Out	✔ Out	✔ Out
USB-C	—	—	—
VGA	—	—	—
Audio	✔ Audio over the HDMI connection	✔ Audio de-embedded output with S/PDIF and analog stereo options from HDMI signal	✔ (x2) Out De-embed HDMI & pass-through
USB-B 2.0	—	—	—
USB-A 2.0	—	—	✔ (x4) Out
USB Micro-B	—	✔ Firmware upgrade (scaler only)	—
RS232	✔ Bi-directional pass-through	✔ Device control or bi-directional pass-through	✔ Serial communication
IR	✔ Bi-directional pass-through	✔ Bi-directional pass-through	—
HDBaseT Chipset	VS010	VS100	VS210
Maximum Extension Length (ft) using Cat6a	130ft - 4K 60Hz 230ft - 1080p	328ft - 4K 60Hz 328ft - 1080p	130ft - 4K 60Hz 230ft - 1080p 230ft - USB 2.0
Power	18V	18V	12V
	Bi-directional Power over Cable (PoC) powered by TX or RX	Power over Cable (PoC) RX powers the TX	Power over HDBaseT (PoH) RX powers the TX
Compatible C2G HDBaseT Transmitters (TX)	C2G30014, C2G30017 C2G30018, C2G30021, C2G30022	C2G30014, C2G30017, C2G30018	C2G30019

Audio/Video — Data & Control (vertical row labels)

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