

HDBaseT Selection Guide

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

Extend a laptop, desktop, or other source up to 328ft from a monitor, projector, or display. Perfect for use in conference rooms, classrooms, lecture halls, and many other applications where your source device and your monitor needs to be located further apart than standard cabling allows. HDBaseT also allows you to run just one cable to extend video and audio, Ethernet, control, USB, and power. This saves time, labor, and costs over running multiple cables.

- **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
- **Field Firmware Update Port** – update firmware on site to support older technology or newer devices
- **KVM** – extend a keyboard, video, and mouse to control a computer from a distance
- **Camera/Whiteboard Extension** – Extend high bandwidth cameras or interactive white boards
- **Support** – 5-year warranty



HDBaseT Wall Plate to Box Kits



Part #		C2G31011		C2G31012		C2G31020	
Form Factor		Transmitter (Tx)	Receiver (Rx)	Transmitter (Tx)	Receiver (Rx)	Transmitter (Tx)	Receiver (Rx)
		Dual Gang Decorative Wall Plate- White	Box-Black	Dual Gang Decorative Wall Plate- White	Box-Black	Dual Gang Decorative Wall Plate- White	Box-Black
Audio/Video	HDMI	✓ In	✓ Out	✓ In	✓ Out	✓ (x2) HDMI In	✓ Out
	USB-C	✓ In	—	—	—	✓ In	—
	VGA	—	—	✓ In	—	—	—
	Audio	✓ Audio over HDMI & 3.5mm pass-through	✓ (x2) Out De-embed HDMI & pass-through	✓ Audio over HDMI & 3.5mm pass-through	✓ (x2) Out De-embed HDMI & pass-through	✓ Audio over HDMI & 3.5mm pass-through	✓ (x2) Out De-embed HDMI & pass-through
Data & Control	USB-B 2.0	✓ In	—	✓ In	—	✓ In	—
	USB-A 2.0	—	✓ (x4) Out 180-200 Mbps	—	✓ (x4) Out 180-200 Mbps	—	✓ (x4) Out 180-200 Mbps
	Camera/KVM Supported	✓ Yes		✓ Yes		✓ Yes	
	USB Micro-B	✓ In (updates only)	—	✓ In (updates only)	—	✓ In (updates only)	—
	RS232	✓ Serial control		✓ Serial control		✓ Serial control	
	Ethernet	—		—		—	
	IR	—		—		—	
	CEC Supported	✓ CEC trigger		✓ CEC trigger		✓ CEC trigger	
	Field Firmware Updates	✓ Field Firmware Update capability		✓ Field Firmware Update capability		✓ Field Firmware Update capability	
HDBaseT Chipset		VS210		VS210		VS210	
Maximum Extension Length (ft) using Cat6a		130ft - 4K 60Hz 4:2:0 230ft - 1080p 230ft - USB 2.0		130ft - 4K 60Hz 4:2:0 230ft - 1080p 230ft - USB 2.0		130ft - 4K 60Hz 4:2:0 230ft - 1080p 230ft - USB 2.0	
Power		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 Supply		C2G30009 - 12V, 3A		C2G30009 - 12V, 3A		C2G30009 - 12V, 3A	

HDBaseT Wall Plate to Box Kits



Part #		C2G30024		C2G30025		C2G31030	
		Transmitter (Tx)	Receiver (Rx)	Transmitter (Tx)	Receiver (Rx)	Transmitter (Tx)	Receiver (Rx)
Form Factor		Single Gang Decorative Wall Plate-White	Box-Black	Single Gang Decorative Wall Plate-White	Box-Black	Single Gang Decorative Wall Plate-White	Box-Black
Audio/ Video	HDMI	✓ In	✓ Out	✓ In	✓ Out	✓ In	✓ Out
	USB-C	—	—	—	—	—	—
	VGA	—	—	—	—	—	—
	Audio	✓ Audio over the HDMI connection		✓ Audio over the HDMI connection		✓ Audio over the HDMI connection	
Data & Control	USB-B 2.0	✓ In	—	—	—	✓ In	—
	USB-A 2.0	—	✓ (x4) Out 180-200 Mbps	—	—	—	✓ (x4) Out 180-200 Mbps
	Camera/KVM Supported	✓ Yes		—		✓ Yes	
	USB Micro-B	—	—	—	—	—	—
	RS232	✓ Serial control		✓ Serial control		✓ Serial control	
	Ethernet	—		—		—	
	IR	—		—		—	
	CEC Supported	✓ Pass-through		✓ Pass-through		✓ Pass-through	
	Field Firmware Updates	—		—		✓ Field Firmware Update capability	
HDBaseT Chipset		VS210		VS210		VS210	
Maximum Extension Length (ft) using Cat6a		130ft - 4K 60Hz 4:4:4 8-bit 230ft - 1080p 230ft - USB 2.0		130ft - 4K 60Hz 4:2:0 230ft - 1080p		130ft - 4K 60Hz 4:2:0 230ft - 1080p 230ft - USB 2.0	
Power		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 Supply		C2G30009 - 12V, 3A		C2G30007 - 18V, 1A		C2G30009 - 12V, 3A	

HDBaseT Box to Box Kits



Part #		C2G30010		C2G31013		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
Audio/Video	HDMI	✓ In	✓ Out	✓ In	✓ Out	✓ In	✓ Out
	USB-C	—	—	—	—	—	—
	VGA	—	—	—	—	—	—
	Audio	✓ Audio over the HDMI connection		✓ Audio over HDMI & 3.5mm pass-through		✓ Audio over the HDMI connection	
Data & Control	USB-B 2.0	—	—	✓ In	—	—	—
	USB-A 2.0	—	—	—	✓ (x4) Out 180-200 Mbps	—	—
	Camera/KVM Supported	—		✓ Yes		—	
	USB Micro-B	—	—	—	—	—	—
	RS232	—		✓ Serial control		✓ Serial control	
	Ethernet	—		—		—	
	IR	—		—		✓ Pass-through	
	CEC Supported	✓ Pass-through		✓ Pass-through		✓ Pass-through	
	Field Firmware Updates	—		✓ Field Firmware Update capability		✓ Field Firmware Update capability	
HDBaseT Chipset		VS210		VS210		VS100	
Maximum Extension Length (ft) using Cat6a		130ft - 4K 60Hz 4:2:0 230ft - 1080p		130ft - 4K 60Hz 4:2:0 230ft - 1080p 230ft - USB 2.0		328ft - 4K 60Hz 4:4:4 8-bit 328ft - 1080p	
Power		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	
Power Supply		C2G30007 - 18V, 1A		C2G30009 - 12V, 3A		C2G30007 - 18V, 1A	

HDBaseT Box to Box Kits



Part #		C2G30027		C2G30055	
Form Factor		Transmitter (Tx)	Receiver (Rx)	Transmitter (Tx)	Receiver (Rx)
		Box-Black	Box-Black	Box-Black	Box-Black
Audio/Video	HDMI	✓ In (x2)	✓ Out	✓ In (18 Gbps)	✓ Out (18 Gbps)
	USB-C	—	—	—	—
	VGA	✓ In	—	—	—
	Audio	✓ Audio (x2) over the HDMI connection		✓ Audio over the HDMI connection and audio in/out de-embedding	
Data & Control	USB-B 2.0	—	—	✓ In	—
	USB-A 2.0	—	—	—	✓ (x4) Out 280-350 Mbps
	Camera/KVM Supported	—		✓ Yes	
	USB Micro-B	—	—	—	—
	RS232	✓ Serial control		✓ Serial control	
	Ethernet	—		1G Ethernet	
	IR	✓ Pass-through		✓ Pass-through	
	CEC Supported	✓ CEC trigger		✓ Pass-through	
	Field Firmware Updates	✓ Field Firmware Update capability		✓ Field Firmware Update capability	
HDBaseT Chipset		VS210		VS3000	
Maximum Extension Length (ft) using Cat6a		130ft - 4K 60Hz 4:2:0 230ft - 1080p		328ft - 4K 60Hz 4:4:4 8-bit Uncompressed 328ft - USB 2.0	
Power		Bi-directional Power over Cable (PoC) powered by TX or RX		Bi-directional Power over Cable (PoC) powered by TX or RX	
Power Supply		C2G30007 - 18V, 1A		C2G30009 - 12V, 3A	

HDBaseT Wall Plate Transmitters



Part #		C2G31017	C2G30021	C2G30022
Form Factor		Transmitter (Tx)	Transmitter (Tx)	Transmitter (Tx)
		Dual Gang Decorative Wall Plate-White	Single Gang Decorative Wall Plate-White	Single Gang Decorative Wall Plate-White
Audio/Video	HDMI	✓ In	✓ In	✓ (x2) HDMI In
	USB-C	—	—	—
	VGA	✓ In	—	—
	Audio	✓ Audio over HDMI & 3.5mm pass-through	✓ Audio over the HDMI connection	✓ Audio over the HDMI connection
Data & Control	USB-B 2.0	—	—	—
	USB-A 2.0	—	—	—
	Camera/KVM Supported	—	—	—
	USB Micro-B	—	—	—
	RS232	✓ Serial control	✓ Serial control	✓ Serial control
	Ethernet	—	—	—
	IR	✓ Pass-through	✓ Pass-through	—
	CEC Supported	✓ Pass-through	✓ Pass-through	✓ Pass-through
	Field Firmware Updates	✓ Field Firmware Update capability	✓ Field Firmware Update capability	✓ Field Firmware Update capability
HDBaseT Chipset		VS100	VS010	VS010
Maximum Extension Length (ft) using Cat6a		130ft 4K 60Hz 4:2:0 230ft - 1080p 230ft - VGA	130ft 4K 60Hz 4:2:0 230ft - 1080p	130ft 4K 60Hz 4:2:0 230ft - 1080p
Power		Power over Cable (PoC) RX powers the TX	Power over Cable (PoC) RX powers the TX	Power over Cable (PoC) RX powers the TX
Power Supply		C2G30008 - 12V, 2A	C2G30006 - 12V, 1A	C2G30006 - 12V, 1A
Compatible C2G HDBaseT Receivers (RX)		C2G31015 C2G30016	C2G31015 C2G30016	C2G31015 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	✓ Audio over HDMI & 3.5mm pass-through
Data & Control	USB-B 2.0	—	—
	USB-A 2.0	—	—
	Camera/KVM Supported	—	—
	USB Micro-B	—	✓ In (updates only)
	RS232	✓ Serial control	✓ Serial control
	Ethernet	—	—
	IR	✓ Pass-through	✓ Pass-through
	CEC Supported	✓ Pass-through	✓ CEC trigger
	Field Firmware Updates	—	—
HDBaseT Chipset		VS010	VS010
Maximum Extension Length (ft) using Cat6a		130ft 4K 60Hz 4:2:0 230ft - 1080p	130ft 4K 60Hz 4:2:0 230ft - 1080p 230ft - VGA
Power		Bi-directional Power over Cable (PoC) powered by TX or RX	Bi-directional Power over Cable (PoC) powered by TX or RX
Power Supply		C2G30007 - 18V, 1A	C2G30007 - 18V, 1A
Compatible C2G HDBaseT Receivers (RX)		C2G31015 C2G30016 29299	C2G31015 C2G30016

HDBaseT Box Receivers



Part #		C2G31015	C2G30016
Form Factor		Receiver (Rx)	Receiver (Rx)
		Box-Black	Box-Black
Audio/Video	HDMI	✓ 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
Data & Control	USB-B 2.0	—	—
	USB-A 2.0	—	—
	Camera/KVM Supported	—	—
	USB Micro-B	—	✓ In (scaler updates only)
	RS232	✓ Serial control	✓ Serial control
	Ethernet	—	—
	IR	✓ Pass-through	✓ Pass-through
	CEC Supported	✓ Pass-through	—
	Field Firmware Updates	✓ Field Firmware Update capability	✓ Field Firmware Update capability
HDBaseT Chipset		VS010	VS100
Maximum Extension Length (ft) using Cat6a		130ft 4K 60Hz 4:2:0 8-bit 230ft - 1080p	328ft 4K 60Hz 4:2:0 8-bit 328ft - 1080p
Power		Bi-directional Power over Cable (PoC) powered by TX or RX	Power over Cable (PoC) RX powers the TX
Power Supply		C2G30007 - 18V, 1A	C2G30009 - 12V, 3A
Compatible C2G HDBaseT Transmitters (TX)		C2G30014, C2G31017, C2G30018, C2G30021, C2G30022	C2G30014, C2G31017, C2G30018, C2G30021, C2G30022



SIMPLIFIED CONNECTIVITY

USA 800.506.9607 | c2g.com | legrandav.com | customer-service@c2g.com

EMEA +31 495 580 840 | c2g.com/uk | legrandav.com | c2g.emea@av.legrand.com

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