



C2G

Dual 4K HDMI® HDBaseT + VGA, 3.5mm, and RS232 over Cat Switching Extender Box Transmitter to Ultra-Slim Box Receiver - 4K 60Hz
Part No. CG-C2G30027

The HDMI Ultra-Slim HDBaseT + RS232 And IR over Cat Extender Box Receiver - 4k 60hz allows a 4K HDMI source to be extended up to 130ft to a 4K display using a single Cat6a Ethernet cable. This is an ideal solution where HDMI video and audio need to be extended to displays in conference rooms, classrooms, lecture halls, and many other installation needs that are far beyond the length limitations of standard HDMI cabling.

This wall plate transmitter and box receiver accepts HDMI signals over a single network patch cable. Extend 4K HDMI up to 115 feet and 1080p up to 230 feet using a Cat5e or Cat6 cable. For longer 4K distances, extend 4K HDMI up to 130 feet using a Cat6a cable.

This HDMI HDBaseT set is HDCP 2.2 compliant, making sure that the connection from the source is secure. With bi-directional PoC support, one power adapter at either transmitter or receiver side can power both units, so no additional power adapter is required, allowing for greater flexibility in installations. Advanced users can control bi-directional IR and RS232 pass through.

Note: Ensure a solid reliable connection between the 4K HDMI HDBaseT Extender and critical equipment. We suggest using HDMI Cables with gripping connectors that provide greater port retention than standard HDMI connectors.

Note: Stranded Cat5e/6/6a patch cables may be used for HDMI extension applications up to 230ft. Shielded, solid conductor Cat6 or HDBaseT Certified Cat6a network cabling is recommended for applications where the category cable must be coiled, is run near other high-frequency signaling cables, or in high EMI/RFI environments. For best performance use an HDBaseT Certified Cat6a Patch Cable.

Additional Technical Specifications

Signal Specifications

Transmitter/ Receiver:

Transmitter:

- Chipset: VS010-TX LBGA-196, EP92A6SQ QFN-128, MS9282 LQFP-64, STM32F103RCT6 LQFP-64, STM8S105K6T6C LQFP-32
- Input/Output Ports: 1 x VGA IN; 1 x VGA AUDIO IN; 2 x HDMI IN; RS232; 1 x HDBT OUT; 1 x Micro USB; DC 18V IN
- Input Signal Type: HDMI 1.4 with 4K @ 60Hz 4:2:0 8bit, HDCP 2.2; VGA input up to 1920x1200 @ 60Hz
- Audio Format: HDMI IN: Supports multi-channel audio formats, including PCM 7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
- Maximum Pixel Clock: 340Mhz
- Maximum Data Rate: 10.2Gbps
- Control and configure both local and remote devices via RS232
- One-way IR pass through from the TX to the connected RX

Receiver:

- Chipset: VS010 Type, Model Number: VS010-RX LBGA-268
- Input/Output Ports: 1 x HDMI OUT; 1 x HDBT IN; 1 x RS232; 1 x IR IN; 1 x IR OUT; 1 x DC 18V IN
- Output Signal Type: HDMI 1.4 with 4K @ 60Hz 4:2:0 8bit, HDCP 2.2
- Audio Format: HDMI IN: Supports multi-channel audio formats, including PCM 7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
- Maximum Pixel Clock: 340Mhz
- Maximum Data Rate: 10.2Gbps
- Supports bi-directional IR and RS232 pass-through

Transmission Distance

Transmitter/ Receiver:

- Cat 6a/7 cable, extends 4Kx2K@60Hz (4:2:0) signal up to 40m/130ft and 1080P@60Hz signal up to 70m/230ft
- Cat 5e cable, extends 4Kx2K@60Hz (4:2:0) signal up to 35m/115ft and 1080P@60Hz signal up to 60m/200ft

Electrical Specifications

Transmitter/Receiver:

- Power Supply: Bi-directional PoC, one power adapter at either transmitter or receiver side can power both units
- Power Supply: DC 18V

Receiver:

- Power Consumption (Max): 8.88W (Pair, PoC)

Physical Specifications

Transmitter/ Receiver:

- Operating Temperature: 0°C to 45°C (32°F to 113°F)
- Storage Temperature: -20°C to 70°C (-4°F to 158°F)
- Humidity: 10% to 90%, Non-Condensing
- ESD Protection: Human-body Model: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)

Physical Characteristics

Transmitter:

- Device Dimension (W x H x D): 194.7mm x 20mm x 94mm / 7.67" x 0.79" x 3.7"

Receiver:

- Device Dimension (W x H x D): 108.8mm x 15mm x 64.2mm / 4.3" x 0.6" x 2.5"



Features & Benefits

Extend 4K at 60Hz (4:2:0) up to 130ft and 1080p at 60Hz up to 230ft with Cat 6a cable

Extend 4K at 60Hz (4:2:0) up to 115ft and 1080p at 60Hz up to 200ft with Cat 5e/6 cable

HDCP 2.2 compliant, to create a secure connection between the source and display

Specifications

General Info

Product Line	C2G	Color	Black
UPC Number	757120300274	Country Of Origin	China
Features	RS232	Application Sector	Commercial
Warranty Type	5-Year	Type	Active Device, HDBaseT, Receiver, Transmitter

Technical Information

Max Distance Support	230 ft	Video Resolution	1080p, 1080p 60Hz, 4K, 4K 30Hz, 4K 60Hz
Storage Humidity	10-90% RH (Non-Condensing)	Power Consumption	8.8 W
Data Transfer Rate	10.2 Gbps	Connector 2	DC Power Plug, RJ-45 Female, HDMI Female
Connector 1	3.5mm Female, RJ-45 Female, HDMI Female, VGA Female, HDMI Female	Video Output Support	HDMI
Operating Temperature	0°-45°C, 32°-113°F	Operating Humidity	10-90% RH (Non-Condensing)
Video Input Support	HDMI, VGA	Storage Temperature	-20° - 70° C, -4° - 158° F