



1080p HDMI Extender over CAT5e/6 – 60m



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For technical support, email us at **support@gofanco.com**.
For drivers or manual download, please go to **www.gofanco.com/downloads**.

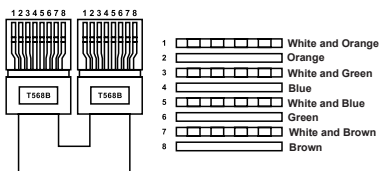
Important Safety Notices

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device.
- Do not expose this unit to rain, heavy moisture, or liquid.
- Do not put any items into the device or attempt to modify its operation.
- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty.
- Keep the product in a well-ventilated location to avoid damage from overheating.
- Shut off power and make sure environment is safe before installation.
- Do not plug the HDMI cables and IR cables in/out when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports.
- Use the included power adapters only. Make sure the specification matches if using 3rd-party DC power adapters.

Important Safety Notices (Continued)

- This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.
- The product requires the use of UTP connectors. Please connect in direct interconnection method and do not cross connect.



Direct Interconnection Method

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1. Features

- Extend HDMI transmission up to 60m (197ft) at 1080p @60Hz over a CAT5e/6 cable with zero signal loss
- Supported resolutions: 1080p, 720p, 1080i
- Supports 3D and HDCP 1.4 compliant
- Power-over-Cable (PoC) allows 1 power supply connected to the transmitter (TX) to power the receiver (RX) over a CAT cable
- Surface mountable metal housing
- Supports 2ch PCM audio

2. Package Contents

- 1x Transmitter (TX)
- 1x Receiver (RX)
- 1x DC power adapter
- 1x User's Manual

3. Product Layout

3.1 Transmitter Layout

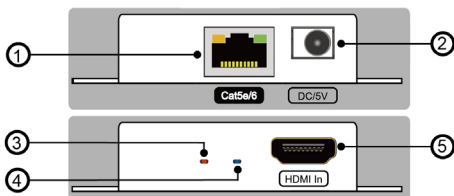


Figure 1: Transmitter Layout

No.	Name	Function Description
1	CAT5e/6 Output	Connect to the receiver's CAT Input with a CAT cable (cable not included)
2	DC 5V Power Jack	Connect the included power supply here
3	Power Indicator	On when powered on
4	HDMI Indicator	On when HDMI signal is detected from the source device
5	HDMI Input	Connect to a source device with an HDMI cable (cable not included)

3.2 Receiver Layout

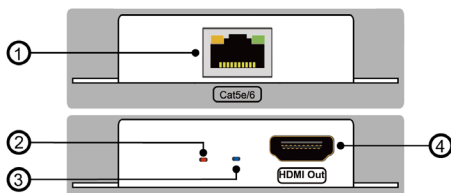


Figure 2: Receiver Layout

No.	Name	Function Description
1	CAT5e/6 Input	Connect to the transmitter's CAT Output with a CAT cable (cable not included)
2	Power Indicator	On when powered on. The receiver will receive power over CAT cable via PoC (Power-over-Cable) from the transmitter
3	HDMI Indicator	On when an HDMI display is connected to the HDMI output
4	HDMI Output	Connect to a display with an HDMI cable (cable not included)

4. Specifications

Operating Temperature Range	0 to +40°C (32 to +104°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p (TTL)
Support Video Format	DTV/HDTV: 720P/1080i/1080P 3D video (<i>Sink must support 3D video when sources is 3D device</i>)
Video Output	HDMI
Support Audio Format	LPCM 2.0 48Khz
Transmission Distance	60m single CAT5e/6 without signal loss
Power Consumption	2 Watts (Maximum)
Dimensions (L×W×H)	TX: 79.3x68x16.5mm RX: 79.3x68x16.5mm
Net Weight	232g

5. Hardware Installation

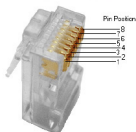
1. Power off all devices including your HDMI source device and HDMI display.
2. Connect your HDMI source device to the transmitter's HDMI Input with an HDMI cable (**cable not included**).
3. Connect a CAT cable between the transmitter and receiver.
4. Connect an HDMI display to the receiver's HDMI Output with an HDMI cable (**cable not included**).
5. Plug in the included 5V power supply into the transmitter's power jack. ***Note: the receiver is automatically powered by the transmitter over the CAT cable.**
6. Power on your HDMI source device and HDMI display. The Extender is ready for use.

***Note: Our Extender comes with a default 1080p EDID. When 1080i or 720p resolution is used, change the source device to this resolution first.**

6. CAT Cable Wiring

We suggest both RJ-45 connectors be wired identically using T568B wiring standard for the best performance and compatibility.

Both connectors must be wired identically, to T568B standard.



RJ45 Plug Colour Code (T568B)	
Contact Side - Tab is on Back	
8	BROWN
7	WHITE / BROWN
6	GREEN
5	WHITE / BLUE
4	BLUE
3	WHITE / GREEN
2	ORANGE
1	WHITE / ORANGE

Note: You may use CAT5e, CAT6 wiring, however, for best performance CAT6a or CAT7 (particularly in electrically noisy environments) is recommended. The maximum transmission distance and video quality may be compromised by cable quality, patch cables, poor termination, wall plates, cable kinks, and electrical interference. We recommend using 100% copper 23AWG (avoid CCA type) CAT cable, in one straight run (avoid/minimize patches) and avoid close proximity to electrical sources.

7. Application Diagram

The application diagram shows the most typical input and output devices used with this HDMI Extender.

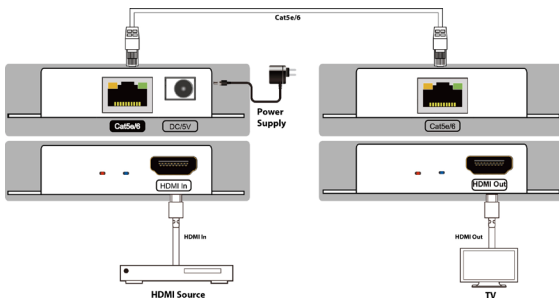


Figure 3: Application Diagram

8. Disclaimer

The product name and brand name may be registered trademarks of related manufacturers. TM and ® may be omitted on the user's guide. The pictures on the user's guide are just for reference, and there may be some slight differences with the actual products. We reserve the right to make changes without prior notice to a product or system described herein to improve reliability, function, or design.



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