

GefenPRO®

Extend HDMI with Power Over Line technology



GEF-HDCAT5-ELRPOL2

Extend HDMI Ultra HD 4K x 2K and 1080p Full HD up to 330 feet (100 meters) over a single CAT-5 cable with Ethernet, RS-232, IR, remote 5V DC Power, plus automatic source switching.

The GefenPRO Extender for HDMI ELR PoL 2 over CAT5 does everything that the GefenPRO Extender for HDMI ELR with PoL over CAT5 does, but adds active source switching, with an additional Hi-Def input on the Receiver Unit. This provides the capability to switch between the Hi-Def source connected to the Sender Unit and a local source connected to the Receiver Unit. The GefenPRO Extender for HDMI ELR PoL 2 over CAT5 extends a Hi-Def source with multichannel digital audio at resolutions of up to 1080p Full HD to 330 feet (100 meters), using one CAT-5 cable. In addition, Gefen's PoL* technology gives it the capability to power an additional 5V DC device, up to 3 Amps, at the Receiver unit over the CAT-5 cable. This product supports DVI-D when used with an HDMI to DVI Adapter, providing greater flexibility and options when integrating several home theater or display components. The Extender for HDMI ELR PoL 2 over CAT5 extends Ethernet and provides an RS-232 and IR back channel to control AV sources using the same CAT-5 cable extension. With the built-in IR Blaster, simply point the IR remote(s) at the display to control the Hi-Def sources as if they were located in the same room as the display.

How It Works

The GefenPRO Extender for HDMI ELR PoL 2 over CAT5 Sender unit is located next to a set-top box or DVD player source. Use the supplied HDMI cable to connect an HDMI source to the Sender unit. The GefenPRO Extender for HDMI ELR PoL 2 over CAT5 Receiver unit is located up to 330 feet (100 meters) away, near the display. Connect the HDTV display and another Hi-Def source to the Receiver Unit. One CAT-5 cable connects the Sender and Receiver units to each other. The Ethernet ports on both the Sender and Receiver units are connected to standard network devices, such as 100Base-T routers and hubs. Multichannel digital audio is embedded in the HDMI signal (Dolby® TrueHD / DTS-HD Master Audio™). To use the switching capability, simply power on the Hi-Def source connected to the Receiver Unit. The Extender will automatically switch to source connected to the Receiver Unit. To revert to the source connected to the Sender Unit, simply power down the source connected to the Receiver Unit.

Features:

- Extends HDMI at up to 330 feet (100 meters) over one CAT-5E cable
- Supports resolutions up to Ultra HD 4K x 2K (3840 x 2160 @ 30Hz) and 1080P Full HD
- Supported HDMI features:
 - HDCP-compliant
 - 12-bit Deep Color
 - LPCM 7.1 audio, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™ pass-through
 - 3DTV pass-through
 - CEC pass-through
 - Lip Sync pass-through
- Power over Line: Using Gefen PoL technology, the Receiver unit is powered from the CAT-5 cable, and offers one +5V 3A output to power additional devices
- HDMI input on the Receiver side allows connection of an additional source at the remote location
- Auto-switching: The Receiver unit auto-switches between the active HDMI source connected to the Sender or additional HDMI devices connected to the Receiver unit
- Manual switching of the Hi-Def sources using an optional IR remote, local push button, or RS-232
- IR back-channel to control any source equipment from the remote location
- RS-232 port for automation
- ELR and HDBaseT® technologies allow extension up to 330 feet (100 meters)
- Extends 100BaseT Ethernet to the remote location
- Internal power supply at the Sender unit
- +5V output with locking connector at the Receiver unit
- Rack-mountable (using Gefen EXT-RACK-1U)

Specifications*:

- Maximum Pixel Clock: 300MHz
- Maximum TMDS Clock: 300MHz
- Video Input Connector (Sender): (1) HDMI Type A 19-pin, female
- Video Output Connector (Receiver): (1) HDMI Type A 19-pin, female
- Local Video Input Connector (Receiver): (1) HDMI Type A 19-pin, female
- RS-232 Connector (Sender): DB-9, female
- RS-232 Connector (Receiver): DB-9, male
- Ethernet Connector (Sender / Receiver): RJ-45, Shielded
- Link Connector (Sender / Receiver): RJ-45, Shielded
- IR Extender Input (Receiver): 3.5 mm mini-stereo jack
- IR Extender Type (Receiver): EXT-RMT-EXTIR (available separately)
- IR Emitter Output (Sender): (1) 3.5 mm mini-mono jack
- Power Supply (Sender): 100 - 240V AC (Internal)
- Power Input Connector (Sender): IEC inlet with fuse-holder and power switch
- Power Indicator (Receiver) : LED, Red
- Operating Temperature: 32 °F to +113 °F (0 °C to +45 °C)
- Storage Temperature: -4 °F to +140 °F (-20 °C to +60 °C)
- Humidity: 20% to 90%RH, no condensation
- Dimensions (Sender / Receiver) (W x H x D): 8.3" x 1.7" x 6.7" (210mm x 43mm x 170mm)
- Shipping Weight: 8 lbs (3.6 kg)



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