

GefenPRO

Extend HDMI with Power Over Line technology



GEF-HDCAT5-ELRPOL2

Extend HDMI, RS-232, Ethernet, and Power over Line to 330 feet (100 meters)

The GefenPRO Extender for HDMI ELR Pol 2 using a single CAT-5 extends a Hi-Def source with multi-channel digital audio at 1080p Full HD to 330 feet (100 meters). A separate RJ-45 is provided, on both the Sender and Receiver Units, to extend Ethernet. Power is extended over the same CAT-5 cable and it supplies 5V of DC power to a power receptacle on the Receiver Unit. This exclusive Gefen feature allows for an additional product to be connected without using a separate power supply. The Receiver Unit also has an HDMI input. If the secondary source is connected and turned on, the Receiver Unit will automatically switch to that input. Turn off the power on the Hi-Def source connected to the Receiver Unit and the original source will be displayed. The built-in IR backchannel provides additional control flexibility by sending IR commands to the A/V source equipment from the Receiver Unit. Use the IR Extender to widen the IR range when installing the product in a cabinet or behind additional components. RS-232 is extended using the built-in RS-232 serial interface. DVI-D is supported when using an HDMI to DVI Adapter, providing greater flexibility when integrating several components together.

How It Works

Connect the Hi-Def source to the GefenPRO Extender for HDMI ELR Pol 2 Sender Unit using the included HDMI cable. Place the Receiver Unit next to the HDTV display or receiver and connect an HDMI cable from the Receiver Unit to the HDTV display. Connect another source to the Receiver Unit. Connect a CAT-5 cable from the Link connector on the Sender Unit to the same Link connector on the Receiver Unit. The Ethernet ports on both the Sender and Receiver Units are connected to standard network devices. Connect the IR Extender cable to the Receiver Unit and connect the IR Blaster cable from the back of the Sender Unit to the Hi-Def source. Connect the RS-232 controller to the Sender Unit using the included RS-232 serial cable. Connect the RS-232 device to the Receiver Unit using an RS-232 serial cable. Connect the power cord from the Sender Unit to an available electrical outlet.

Features

- Supports resolutions up to 1080p, 1920x1200, and 2K
- Extends HDMI, RS-232, Ethernet, Power, and IR over one CAT-5 cable up to 330 feet (100 meters)
- Auto-switching feature for source connected to Receiver Unit
- 3DTV Pass-through
- Supports LPCM 7.1 audio, Dolby Digital Plus, Dolby TrueHD, and DTS-HD Master Audio
- Advanced EDID Management for rapid A/V integration
- Power Management
- 5V DC Output Locking Power Connector on Receiver Unit to power additional Gefen products
- Built-in IR Blaster and IR Extender
- RS-232 Control
- IR Control
- Internal Power Supply
- Power ON / OFF switch
- Field-upgradeable firmware
- Standby Mode

Specifications*

- Video Amplifier Bandwidth: 225 MHz
- Input Video Signal: 1.2 Volts p-p
- Input DDC Signal: 5 Volts p-p (TTL)
- HDMI Input Connectors (Sender / Receiver): (2) 19-pin Type A
- HDMI Output Connector (Receiver): 19-pin Type A
- RS-232 Connector (Sender): DB-9, female
- RS-232 Connector (Receiver): DB-9, male
- RS-232 Baud Rate: 19200 bps
- IP Connector: RJ-45
- IR Extender: 3.5mm Mini-Stereo Jack
- IR Blaster: 3.5mm Mini-Stereo Jack
- Power Supply (Sender): 110 / 220V AC
- Power Connector: IEC
- Power Consumption: 10 W per unit (max.)
- Operating Temperature: 0 - 40 °C
- Dimensions: 5.0" W x 1.25" H x 3.4" D
- Weight: 4 lbs.

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