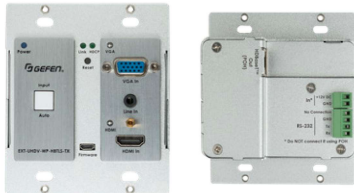


Multi-Format Extenders over CAT-5



EXT-UHDV-WP-HBTL5-TX

4K Ultra HD Multi-Format 2x1
HDBase™ Wall-Plate Sender
w/ Scaler, Auto-Switching, and POH



Recommended Receiver:
EXT-UHDA-HBTL-RX

- Supports 300 MHz TMDS Clock and data throughput of up to 10.2 Gbps
- Automatic switching of 4K HDMI and VGA
- Manual switching of 4K HDMI and VGA via front panel button or RS-232
- VGA scaling up to 1920 x 1200 with picture adjustments
- Extend HDMI, VGA with analog audio, and RS-232 over a single CAT-5e:
 - 4K Ultra HD (3840 x 2160 @ 60 Hz, 4:2:0), up to 130 feet/40 meters (8-bit color)
 - 4K Ultra HD (3840 x 2160 @ 30 Hz, 4:4:4), up to 130 feet/40 meters (8-bit color)
 - 4K Cinema (DCI) (4096 x 2160 @ 24 or 30 Hz 4:4:4), up to 130 feet/40 meters (8-bit color)
 - 1080p Full HD (60 Hz) or WUXGA (1920x1200 @ 60 Hz), up to 230 feet/70 meters (up to 12-bit Deep Color)
- HDMI Features Supported:
 - HDMI 2.0
 - HDCP 1.4
 - 12-bit Deep Color (at 1080p)
 - LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™ pass-through
 - 3DTV pass-through
 - CEC pass-through
 - Lip Sync pass-through
 - Analog L/R audio input for VGA
- RS-232 control of switching, scaler, and EDID management functions
- Bi-Directional RS-232 extension when used with a compatible Receiver
- Power over HDBase™ (POH) provides power to the Sender from a compatible Receiver over the link cable
- Sender can also be locally powered using the 2-pin Phoenix connector on back panel
- Uses Gefen's implementation of HDBase™ technology with enhanced features
- Advanced EDID Management for rapid integration of source and display
- Works with Gefen Syner-G™ software
- Field-updateable firmware via mini-USB port, using the Gefen Syner-G™ software
- North American standard 2-gang wall-plate form factor
- Works with most standard North American 2-gang Decora® wall-plates (white wall-plate is included)
- Works with most North American 2-gang table boxes and "open-back" low-voltage installation brackets

EXT-UHDA-HBTL-RX

4K Ultra HD HDBase™ Receiver
w/ Audio De-Embedder and POH



Recommended Senders:
EXT-UHDV-HBTL5-TX &
EXT-UHDV-WP-HBTL5-TX

- Supports 300 MHz TMDS Clock and data throughput of up to 10.2 Gbps
- Extends HDMI, 2-way IR, and RS-232 over a single CAT-5e:
 - 4K Ultra HD (3840 x 2160 @ 60 Hz, 4:2:0), up to 130 feet/40 meters (8-bit color)
 - 4K Ultra HD (3840 x 2160 @ 30 Hz, 4:4:4), up to 130 feet/40 meters (8-bit color)
 - 4K Cinema-DCI (4096 x 2160 @ 24 or 30 Hz 4:4:4), up to 130 feet/40 meters (8-bit color)
 - 1080p Full HD (60 Hz) or WUXGA (1920x1200 @ 60 Hz), up to 230 feet/70 meters (up to 12-bit Deep Color)
- HDMI Features Supported:
 - HDMI 2.0
 - HDCP 2.2 and 1.4
 - 12-bit Deep Color (at 1080p)
 - LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™ pass-through
 - 3DTV pass-through
 - CEC pass-through
 - Lip Sync pass-through
- RS-232 control of switching, scaler, and EDID management functions of a compatible Sender
- Bi-Directional RS-232 extension when used with a compatible Sender
- 2-way IR extension when used with a compatible Sender
- Digital (optical and coaxial) and Analog audio breakout
- Bi-Directional Power over HDBase™ (POH) provides power to the Receiver or a compatible Sender unit over the link cable - only one side will need external power
- Uses Gefen's implementation of HDBase™ technology with enhanced features
- Works with Gefen Syner-G™ software
- Field-updateable firmware via RS-232 and using the Gefen Syner-G™ software
- Locking power connector
- Compact, ultra-low-profile enclosure is surface-mountable and can be hidden away

HDMI Extenders over CAT-5



GTB-UHD600-HBT

4K Ultra HD 600 MHz HDBaseT™
Extender w/ HDR, RS-232, 2-way IR,
and POL



- Supports 18.2 Gbps bandwidth and 600 MHz TMDS clock
- Extends HDMI, RS-232, & Bi-Directional IR over a single CAT-5e/CAT-6A:
 - 4K Ultra HD (3840 x 2160 to 60 Hz, 4:4:4), up to 264 feet/80 meters (8-bit color)
 - 4K Cinema (DCI) (4096 x 2160 to 60 Hz 4:4:4), up to 264 feet/80 meters (8-bit color)
 - 1080p Full HD (60 Hz) and WUXGA (1920 x 1200 to 60 Hz), up to 330 feet/100 meters (up to 12-bit Deep Color)
- HDMI Features Supported:
 - HDMI 2.0 (full bandwidth to 18 Gbps/600 MHz)
 - HDR (High Dynamic Range) 10-bit Deep Color at 4K 60 Hz 4:2:0 and 4K 24 Hz 4:4:4
 - Dolby Vision™ HDR
 - HDCP 2.2 and 1.4
 - 12-bit Deep Color (at 1080p)
 - Uncompressed LPCM digital audio up to 7.1 channels
 - HBR (High Bit Rate) digital audio up to 7.1 channels, including Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™
 - 3DTV pass-through
 - CEC pass-through
- Lip Sync pass-through
- Supports the use of DVI sources and DVI displays up to 1080p Full HD and WUXGA (1920x1200), with Gefen CAB-DVI2HDMI-LCK DVI-to-HDMI cables (not included)
- RS-232 2-way link between Sender and Receiver
- IR extension from Sender to Receiver and from Receiver to Sender
- Gefen's Bi-Directional POL provides power to the Sender or the Receiver unit over the link cable - only one side will need external power
- Uses Gefen's implementation of HDBaseT™ technology with proprietary algorithms and enhanced features
- Works with Gefen Syner-G™ software
- Advanced EDID Management
- Firmware updatable via RS-232, using Gefen Syner-G™
- Locking power connector
- Surface mountable
- Plug & Play – no configuration or set-up required for most applications
- Compact enclosures are easy to install and can be hidden away

GTB-UHD600-HBTL

4K Ultra HD 600 MHz HDBaseT™
Extender w/ HDR, 2-way IR, and POL



- Supports 18.2 Gbps bandwidth and 600 MHz TMDS clock
- Extends HDMI & Bi-Directional IR over a single CAT-5e/CAT-6A:
 - 4K Ultra HD (3840 x 2160 to 60 Hz, 4:4:4), up to 132 feet/40 meters (8-bit color)
 - 4K Cinema (DCI) (4096 x 2160 to 60 Hz 4:4:4), up to 132 feet/40 meters (8-bit color)
 - 1080p Full HD (60 Hz) and WUXGA (1920 x 1200 to 60 Hz), up to 200 feet/60 meters (up to 12-bit Deep Color)
- HDMI Features Supported:
 - HDMI 2.0 (full bandwidth to 18 Gbps/600 MHz)
 - HDR (High Dynamic Range) 10-bit color at 4K 60 Hz 4:2:0 and 4K 24 Hz 4:4:4
 - Dolby Vision™ HDR
 - HDCP 2.2 and 1.4
 - 12-bit Deep Color (at 1080p)
 - Uncompressed LPCM digital audio up to 7.1 channels
 - HBR (High Bit Rate) digital audio up to 7.1 channels, including Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™
 - 3DTV pass-through
 - CEC pass-through
- Lip Sync pass-through
- Supports the use of DVI sources and DVI displays up to 1080p Full HD and WUXGA (1920x1200), with Gefen CAB-DVI2HDMI-LCK DVI-to-HDMI cables (not included)
- Gefen's Bi-Directional POL provides power to the Sender or the Receiver unit over the link cable - only one side will need external power
- Uses Gefen's implementation of HDBaseT™ technology with proprietary algorithms and enhanced features
- Works with Gefen Syner-G™ software
- Advanced EDID Management
- Firmware update via RS-232 port, using Gefen Syner-G™
- Locking power connector
- Surface mountable
- Plug & Play – no configuration or set-up required for most applications
- Compact enclosures are easy to install and can be hidden away

HDMI Extenders over CAT-5



GTB-UHD-HBTL

4K Ultra HD HDBaseT™ Extender
w/ 2-way IR and POL



- Extends HDMI & 2-way IR over a single CAT-5e/CAT-6A*:
 - 4K Ultra HD and 4K DCI-Cinema (60 Hz, 4:2:0 or 24/30 Hz, 4:4:4), up to 130 feet/40 meters (8-bit
 - color)
 - 1080p Full HD (60 Hz), up to 230 feet/70 meters (up to 12-bit Deep Color)
- Supports HDMI 2.0, HDCP 2.2 and 1.4, 12-bit Deep Color (1080p), 3DTV pass-through, CEC pass-through, and Lip Sync pass-through
- LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™ pass-through
- Uses Gefen's implementation of HDBaseT™ technology with enhanced features
- IR extension from Sender to Receiver and from Receiver to Sender
- Gefen Bi-Directional POL feature provides power to the Sender or the Receiver unit over the link cable - only one side will need external power
- Advanced EDID Management

GTB-UHD-HBT

4K Ultra HD HDBaseT™ Extender
w/ RS-232, 2-way IR and POL



- Extends HDMI, RS-232, & 2-way IR over a single CAT-5e/CAT-6A*:
 - 4K Ultra HD and 4K DCI-Cinema (60 Hz, 4:2:0 or 24/30 Hz, 4:4:4), up to 330 feet/100 meters (8-bit color)
 - 1080p Full HD (60 Hz), up to 330 feet/100 meters (up to 12-bit Deep Color)
 - 1080p Full HD (60 Hz), up to 495 feet/150 meters (8-bit color)
- Supports HDMI 2.0, HDCP 2.2 and 1.4, 12-bit Deep Color (1080p), 3DTV pass-through, CEC pass-through, and Lip Sync pass-through
- LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™ pass-through
- Uses Gefen's implementation of HDBaseT™ technology with enhanced features
- IR extension from Sender to Receiver and from Receiver to Sender
- Gefen Bi-Directional POL feature provides power to the Sender or the Receiver unit over the link cable - only one side will need external power
- Advanced EDID Management

EXT-UHD-CAT5-ELRPOL

4K Ultra HD HDBaseT™ Extender
w/ Ethernet, RS-232, 2-way IR
and POL



- Extends HDMI, Ethernet, RS-232, & 2-way IR over a single CAT-5e/CAT-6A*:
 - 4K Ultra HD and 4K DCI-Cinema (60 Hz, 4:2:0 or 24/30 Hz, 4:4:4), up to 330 feet/100 meters (8-bit color)
 - 1080p Full HD (60 Hz), up to 330 feet/100 meters (up to 12-bit Deep Color)
 - 1080p Full HD (60 Hz), up to 495 feet/150 meters (8-bit color)
- Supports HDMI 2.0, HDCP 2.2 and 1.4, 12-bit Deep Color (1080p), 3DTV pass-through, CEC pass-through, and Lip Sync pass-through
- LPCM 7.1, Dolby Atmos®, Dolby® TrueHD, DTS:X™, and DTS-HD Master Audio™ pass-through
- Uses Gefen's implementation of HDBaseT™ technology with enhanced features
- IR extension from Sender to Receiver and from Receiver to Sender
- Gefen Bi-Directional POL feature provides power to the Sender or the Receiver unit over the link cable - only one side will need external power
- Advanced EDID Management

* This product supports sources up to 4K 300 MHz (60 Hz 4:2:0 or 30 Hz 4:4:4). It is not compatible with sources that are capable of HDR or 4K 600 MHz (60 Hz 4:4:4).

HDMI Extenders over CAT-5



EXT-UHDA-HBT2

4K Ultra HD HDBaseT 2.0 Extender



- Extends HDMI, Ethernet, RS-232, 2-way IR & 2-way Audio over a single CAT-5e
- Extends 4K Ultra HD video up to 330 feet
- Extends 1080p video up to 495 feet
- Supports HDMI 2.0, HDCP 2.2 and 1.4
- IR extension from Sender to Receiver and from Receiver to Sender
- TOSLINK® Optical Digital Audio extension from Receiver to Sender
- Analog L/R Stereo Audio extension from Sender to Receiver
- Bi-Directional POH (Power Over HDBaseT™) feature provides power to the Sender or the Receiver unit over the link cable - only one side needs external power
- Advanced EDID Management via Gefen Syner-G™ software
- Link Quality Monitoring via Gefen Syner-G™ software
- In-field firmware update via USB, using Gefen Syner-G™ software
- Locking power connector
- Low profile, surface-mountable enclosures

GTB-UHD-HBT2

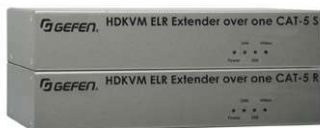
4K Ultra HD HDBaseT 2.0 Extender



- Extends HDMI, RS-232 & 2-way IR over a single CAT-5e
- Extends 4K Ultra HD video up to 330 feet
- Extends 1080p video up to 495 feet
- Supports HDMI 2.0, HDCP 2.2 and 1.4
- IR extension from Sender to Receiver and from Receiver to Sender
- POH (Power Over HDBaseT™) feature provides power to the Receiver unit over the link cable - only the Sender unit needs external power
- Advanced EDID Management via Gefen Syner-G™ software
- Link Quality Monitoring via Gefen Syner-G™ software
- In-field firmware update via USB, using Gefen Syner-G™ software
- Locking power connector
- Low profile, surface-mountable enclosures

EXT-HDKVM-ELR

HD KVM ELR Extender over one CAT-5



- Extends HDMI and USB over a single CAT-5e up to 330 feet/100 meters:
- Supported resolutions include:
 - 4K Ultra HD (3840 x 2160 @ 60Hz, 4:2:0 or 30Hz, 4:4:4)
 - 4K Cinema (DCI) (4096 x 2160 @ 24 or 30Hz 4:4:4)
 - 1080p Full HD
- Supports HDMI 2.0, HDCP 1.4 compliant, 12-bit Deep Color (at 1080p), 3DTV pass-through, CEC pass-through, and Lip Sync pass-through
- LPCM 7.1 audio, Dolby® TrueHD, Dolby Digital® Plus, and DTS-HD® Master Audio™ pass-through
- Supports up to 30 Mbps when using USB 2.0
- Backward-compatible with USB 1.1
- EDID management for rapid integration of source and display devices
- Uses Gefen's implementation of HDBaseT™ technology with enhanced features
- Locking power supplies
- 1U tall, half-rack width enclosures are rack-mountable using EXT-RACK-1U-GRY

DVI Extenders Over CAT-5



EXT-DVIKA-HBT2

DVI KVM HDBaseT 2.0 Extender



- Extends DVI, USB, RS-232 & 2-way Audio over a single CAT-5e Cable
 - Extends 1080p Full HD up to 495 feet
 - Extends 1920x1200 (WUXGA) up to 495 feet
- Extends HDMI, USB, RS-232, and 2-way Audio over a single CAT-5e
 - Extends 4K Ultra HD video up to 330 feet
 - Extends 1080p Full HD up to 495 feet
 - Extends 1920x1200 (WUXGA) up to 495 feet
- Supports HDMI 2.0, HDCP 2.2 and 1.4
- Analog L/R Stereo Audio extension from Sender to Receiver and from Receiver to Sender
- Receiver audio input accommodates a microphone or a line level audio source
- POH (Power Over HDBaseT™) feature provides power to Sender unit over the link cable - only the Receiver needs external power
- Advanced EDID Management via Gefen Syner-G™ software
- Link Quality Monitoring via Gefen Syner-G™ software
- In-field firmware update via USB, using Gefen Syner-G™ software
- Locking power connector
- 1U tall, half-rack width enclosures are rack-mountable using EXT-RACK-1U-GRY

EXT-DVI-1CAT5-SR

HDBaseT™ Lite DVI Extender over one CAT5



- Extends DVI up to 230 feet (70 meters) over one CAT-6A cable
- Extends DVI up to 200 feet (60 meters) over one CAT-5e cable
- Supports resolutions up to 1920 x 1200 (WUXGA)
- EDID management for rapid integration of source and display
- HDCP compliant
- Uses Gefen's implementation of HDBaseT™ technology with enhanced features
- Locking power supplies
- Surface-mountable

EXT-DVI-1CAT5-ELR

HDBaseT™ DVI Extender over one CAT5



- Extends DVI up to 495 feet (150 meters) over one CAT-5e cable
- Supports resolutions up to 1080p Full HD and 1920 x 1200 (WUXGA)
- EDID management for rapid integration of source and display
- Enable/Disable switches for HPD pass-through
- Power-Save (Green Mode) selector switch
- 150m/100m range selector switch configures the extender for maximum range (150 meters) or maximum bandwidth
- HDCP compliant
- Uses Gefen's implementation of HDBaseT™ technology with enhanced features
- Locking power supplies
- Surface-mountable