

HDMI® Extender Transmitter & Receiver

Extends transmission up to 100 meters, includes HDBaseT™ technology with bi-directional PoH

APPLICATION

Extend HDMI signals up to 100 meters (328 feet) over a single category-rated cable for applications in classrooms, conference rooms, control centers, and public venues where reliable high-definition video is needed. Certified HDBaseT 5Play™ technology supports a complete professional plug-and-play installation including HD video, multi-channel audio, bi-directional power, 100Mb Ethernet, bi-directional IR, and RS-232 control.



Transmitter — front



Transmitter — back



Receiver — front



Receiver — back

SPECIFICATION

100-meter HDMI extender shall be HDBaseT certified and deliver uncompressed HD video, 3D, and 2K x 4K over a single category-rated cable with multi-channel audio supporting all standard formats including Dolby Digital, DTS, Dolby TrueHD, and DTS HD-Master Audio. Resolution capability shall be 1080p 36 bit deep color at 60Hz with VESA resolutions up to 1920 x 1200 at 60Hz up to 100 meters (328 feet) and 4K ultra-high definition up to 2160p 24 bit true color at 30Hz with 4K chroma subsampling color palette 4:2:2 up to 60 meters (197 feet). Shall be compatible with and support key features of HDMI 1.4 including EPG, CEC, EDID, and HDCP. Extenders shall include Ethernet channel capability with dual 100Mbps Ethernet ports. Extenders shall include bi-directional PoH (power over HDBT), IR, RS-232. Locking feature for HDMI and power input connections shall be included. Extender transmitter and receiver shall have a metal enclosure and include mounting brackets. Extender set shall also include RS-232 interface cables (2) and DC power adapter with a set of interchangeable international input plugs.

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FEATURES

- HDBaseT Alliance certified
- Delivers full uncompressed HD video, 3D, and 2K x 4K over a single category cable with multi-channel audio supporting all standard formats, including Dolby Digital, DTS, Dolby TrueHD, and DTS HD-Master Audio
- Resolution capability:
 - 1080p 36 bit deep color at 60Hz and VESA resolutions up to 1920 x 1200 at 60Hz up to 100 meters (328 feet)
 - 4K ultra high definition up to 2160p 24 bit true color at 30Hz with 4K chroma subsampling color palette 4:2:2 up to 60 meters (197 feet)
- Compatible with and supports key features of HDMI 1.4 including EPG, CEC, EDID, and HDCP
- Dual 100Mb Ethernet ports for communication between devices and sharing of content
- Bi-directional PoH (power over HDBaseT) allows use of a single power supply located at either the source or display
- Bi-directional IR and RS-232 channels
- Compact transmitter and receiver modules
- Locking features for HDMI and power input connectors
- Tested to UL 2043 as suitable for use in air-handling spaces per NEC 300-22(b)(c)

DESIGN CONSIDERATIONS

- Use HDBaseT certified Category 6A cable system with alien crosstalk prevention technology
- Use 41910-HIR IR emitter and target kit for bi-directional control

STANDARDS COMPLIANCE

- HDBaseT Alliance, FCC, CE
- UL 2043 compliant for plenum spaces

PHYSICAL SPECIFICATIONS

Dimensions:	152 mm W x 28 mm H x 84 mm D 5.98" W x 1.10" H x 3.31" D
Materials:	Ventilated metal enclosures
Power input:	100-240VAC 50/60Hz
Power output:	24VDC 1.25A
Temperature:	0°C to 50°C (32°F to 122°F)

COUNTRY OF ORIGIN

China



WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

Leviton Network Solutions

2222 - 222nd St. SE
Bothell, WA 98021-4416

tel 1-800-824-3005
tel +1-425-486-2222
appeng@leviton.com
www.leviton.com

Asia / Pacific

T +1.631.812.6228
E infoasean@leviton.com

Europe

T +44.0.1592.772124
E customerservice@brand-rex.com

Canada

T +1.514.954.1840
E pcservice@leviton.com

India / SAARC

T +971.4.886.4722
E infoindia@leviton.com

Caribbean

T +1.954.593.1896
E infocaribbean@leviton.com

Mexico

T +52.55.5082.1040
E lsamarketing@leviton.com

China

T +852.2774.9876
E infochina@leviton.com

Middle East & Africa

T +971.4.886.4722
E Imeinfo@leviton.com

Colombia

T +57.1.743.6045
E infocolombia@leviton.com

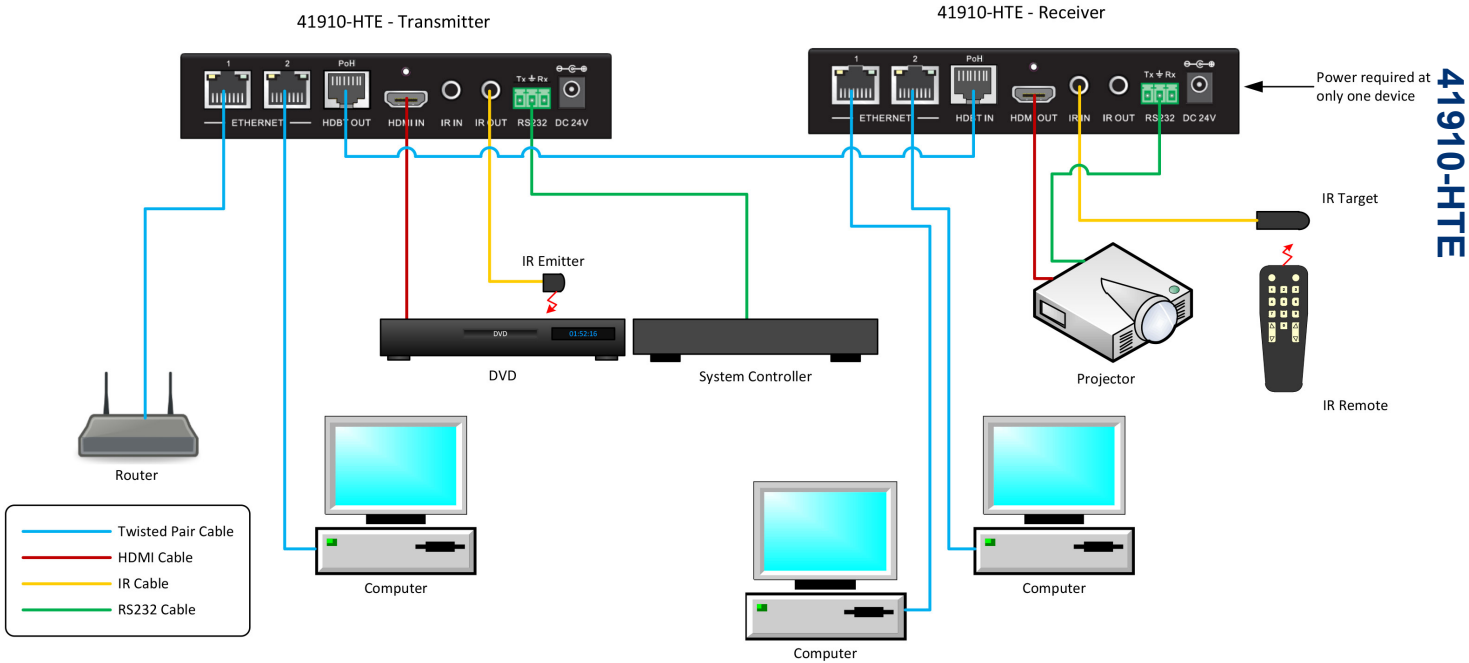
South Korea

T +82.2.3273.9963
E infokorea@leviton.com

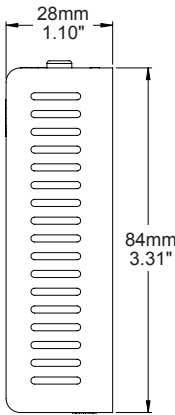
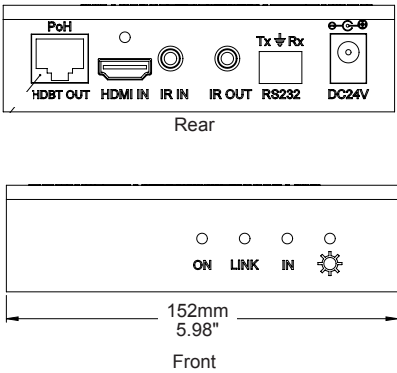
ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

Common application with HDMI® Extender with HDBaseT™



Transmitter and Receiver dimensions
(Transmitter shown)



PART NUMBERS

Description

HDMI® Extender with HDBaseT™, Transmitter and Receiver, 100 meters

Part No.

41910-HTE



Leviton Network Solutions
2222 - 222nd St. SE
Bothell, WA 98021-4416

Asia / Pacific
T +1.631.812.6228
E infoasean@leviton.com

Canada
T +1.514.954.1840
E pcservice@leviton.com

Caribbean
T +1.954.593.1896
E infocaribbean@leviton.com

China
T +852.2774.9876
E infochina@leviton.com

Colombia
T +57.1.743.6045
E infocolombia@leviton.com

tel 1-800-824-3005
tel +1-425-486-2222
appeng@leviton.com
www.leviton.com

Europe
T +44.0.1592.772124
E customerservice@brand-rex.com

India / SAARC
T +971.4.886.4722
E infoindia@leviton.com

Mexico
T +52.55.5082.1040
E lsamarketing@leviton.com

Middle East & Africa
T +971.4.886.4722
E lmeinfo@leviton.com

South Korea
T +82.2.3273.9963
E infokorea@leviton.com