



100m Cat.6 HDMI 18G, IR & RS-232 HDBaseT Extender with PoC, Transmitter

Part No.: 38206

Description

- Distributes HDMI resolutions up to 150m over Cat.6 network cable via HDBaseT & Long Reach technology
- Supports HDMI 18G resolutions up to 4K 3840x2160@60Hz 4:4:4, with additional support for HDR
- RS-232, CEC pass-through and bi-directional IR for simple control
- Supports PoC (Power over cable), requiring a power supply connection from only one side of the installation
- 2 year warranty

The Lindy C6 HDBaseT HDMI 18G & IR Extender, Transmitter is one part of a high performance solution for extending HDMI signals over long distances via Cat.6 network cable. By combining this transmitter unit with a compatible Lindy HDBaseT receiver, this solution ensures reliable transmission up to 150m.

The following distance and resolution combinations are possible when using high quality Cat.6 U/UTP or F/UTP cable:

150m (492.12ft) - 1280x720@60Hz via Long Reach Mode

100m (328.08ft) - 3840x2160@30Hz 4:4:4 8bit

70m (229.66ft) - 3840x2160@60Hz 4:4:4 8bit

Supporting resolutions up to 4K UHD 3840x2160@60Hz, video can be viewed in stunning clarity, while additional support for HDR (High Dynamic Range) allows content to be displayed with enhanced brightness, greater contrasts of blacks and whites and a much wider colour gamut. This provides a reliable solution for creating eye-catching digital signage in retail, immersive displays at events or engaging setups in larger conference rooms or lectures halls. An HDMI loop out port provides additional capability for connecting a local display for monitoring of the video content in security or close-range distribution in residential installs, while simultaneously extending the signal to the receiver.

PoC (Power over Cable) functionality provides additional flexibility. This allows power to be supplied alongside data through Cat.6 network cable in a point to point connection between the transmitter and receiver, meaning only a single power supply is required at the transmitter unit. Ideal when power outlets are limited at the receiver end of the installation.

Featuring bi-directional IR ports at both sides of the setup, the source equipment can be easily controlled from the display side, and the display can also be controlled from the HDMI source side. Combined with CEC control, which allows commands from one main remote, this extension system allows for complete and simple control for the user.

Terminal blocks allows for pass-through of RS-232 commands when integrated into control systems.

HDBaset is a globally recognised standard for high quality distribution of AV content and other technologies, including power and control, over longer distances via low cost Cat.6 or above cable.

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Technical details

Specifications

- AV Interface: HDMI
- Interface Standard: 2.0
- Supported Bandwidth: 18Gbps
- Maximum Distance:

70m (229.66ft) - 3840x2160@60Hz 4:4:4 8bit

100m (328.08ft) - 3840x2160@30Hz 4:4:4 8bit

150m (492.12ft) - 1280x720@60Hz

- Maximum Resolution: 3840x2160@60Hz 4:4:4 8bit
- HDCP Support: 2.2
- EDID Pass Through: Pass-through
- Supported Audio: HDMI Audio Pass-through
- Separate Audio Ports: 3.5mm (Female)
- IR Support: 20KHz - 60KHz
- CEC Support: Pass-through

- Serial Interface: RS-232 (Bi-directional)
- Transmission Protocol: HDBaseT
- Transmission Medium: 1 x Cat.6
- Laser Class (only for Fibre): -
- Wavelength (only for Fibre): -
- Chipset: VS100
- Special Features:

HDMI Loop Out Port

PoC (Power over Cat.6)

Connectors

- Transmitter Input:

HDMI Type A (Female)

IR (Female)

- Transmitter Output:

HDMI Type A (Female)

RJ-45 (Female)

IR (Female)

- Receiver Input: -
- Receiver Output: -
- Bi-directional Ports: RS-232 (Female)
- Power : 5.5/2.1mm

Physical Properties

- Dimensions (approx.) WxDxH: 140x65x18mm (5.51x2.56x0.71in)
- Housing Material: Metal
- Net Weight: 0.472kg (1.04lb)
- Operating Temperature : 0°C - 40°C (32°F - 104°F)
- Storage Temperature: -20°C - 60°C (-4°F - 140°F)
- Humidity: 20 - 90% RH (non-condensing)
- Power Requirements: 24VDC 1A
- Colour: Black

Miscellaneous

- Packaging Type: Carton Box
- Packaging Dimensions: 220x115x75mm (8.66x4.53x2.95in)
- Gross Weight: 0.637kg (1.4lb)
- Warranty (Years): 2
- Certificated: CE, FCC, RoHS, REACH & California Proposition 65

Package Content

- HDBaseT HDMI Extender, Transmitter
- IR Emitter Cable, 1.5m
- IR Receiver Cable, 1.5m
- 2 x Mounting Ears
- 3-Pin Terminal Block
- Multi-country Power Supply (UK, EU, US & AUS)
- Lindy Manual

Purchasing Information

- No.: 38206
- EAN: 4002888382069

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