



Product Data Sheet

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

Description



The Lindy 100m Cat.6 HDMI 18G, IR & RS-232 HDBaseT Extender with PoC, Transmitter is a complete end to end high performance, reliable solution for extending HDMI signals over long distances via Cat.6 network cable.

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

- 100m: 1920x1080@60Hz 4:4:4 8bit
- 70m: 3840x2160@60Hz 4:4:4 8bit / 4:2:2 12bit

Supporting resolutions up to 4K Ultra HD, 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.

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.

Product	SKU
LINDY 100M CAT.6 HDMI 18G, IR & RS-232 HDBASET EXTENDER	LIN-38219



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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. Bi-directional RS-232 and Ethernet ports also allow for integration into larger control systems, or connection to network switches and hubs with LAN access.

In addition, the power supply is connected via a screw type DC jack, providing a more secure and reliable connection, perfect for professional installations where accidental disconnections could create a major issue.

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.

HDBaseT™ and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance. Using a different cable type, introducing wall plates, couplers or patch panels will result in a reduction of possible distances.

Key Benefits

- Distributes HDMI resolutions up to 100m over Cat.6 network cable via HDBaseT technology
- Supports HDMI 18G resolutions up to 4K@60Hz 4:4:4, with additional support for HDR
- RS-232, CEC & Ethernet 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



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Technical Specification

Lindy 100m C6 18G HDBaseT Extender Specification

Specifications	Transmitter Output: RJ45 (Female), IR (Female)
AV Interface: HDMI	Receiver Input: RJ45 (Female), IR (Female)
Interface Standard: HDMI 2.0	Receiver Output: HDMI (Female), IR (Female)
Supported Bandwidth: 18 Gbps	Bidirectional Ports: 10/100 Ethernet, RS232
Maximum Distance: 100m (328.08ft)	Power: 5.5/2.1mm DC socket
Maximum Resolution: 3840x2160@60Hz 4:4:4 8bit	Physical Properties
HDCP Support: Pass-through	Dimensions WxDxH: 157x90x20mm (6.18x3.54x0.79in) per unit
EDID Pass Through: Pass-through	Housing Material: Metal
Supported Audio: Pass-through	Net Weight: 0.333kg (0.73lb)
Separate Audio Ports: -	Operating Temperature: 0°C - 40°C (32°F - 104°F)
IR Support: 30-60kHz	Storage Temperature: -20°C - 60°C (-4°F - 140°F)
CEC Support: Pass-Through	Humidity: 20-90% RH (non-condensing)
Serial Interface: RS-232	Power Requirements: 24VDC 1A
Transmission Protocol: HDBaseT	Colour: Black
Transmission Medium: 1 x Cat.6	Miscellaneous
Laser Class (only for Fibre): -	Packaging Type: Carton Box
Wavelength (only for Fibre): -	Packaging Dimensions: 330x243x74mm (12.99x9.57x2.91in)
Chipset: VS100	Gross Weight: 1.45kg (3.2lb)
Special Features: PoH (Power over HDBaseT)	Warranty (Years): 2
Connectors	Certified: CE, UKCA, FCC, RoHS, REACH & California Proposition 65
Transmitter Input: HDMI (Female), IR (Female)	



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