Product Data Sheet
100m C6 HDBaseT 2.0 HDMI & USB KVM Extender

Description

Using HDBaseT™ 2.0 Technology this Extender allows you to send HDMI (up to 4K 60Hz), USB, Ethernet, RS-232, Digital & Analogue Audio and IR signals up to 100m using a single high quality Cat.6/Cat.7 RJ45 cable. Ideal for AV and KVM applications the Extender features USB Host and Device ports on both the Transmitter and Receiver units, with the option to switch the direction in which USB extension works from Transmitter to Receiver, or Receiver to Transmitter; perfect for connecting a keyboard and mouse or mass storage device.

For added convenience and to enable discreet installation of the Receiver unit the Extender supports PoC (Power over Cat.6) allowing a single power supply to be used with the Transmitter to power both units. The power supply is connected via a screw type DC jack, providing a secure and reliable connection, ideal for professional installations where accidental disconnections could occur.

Please Note: The quoted lengths and resolutions are possible with a direct connection between Transmitter and Receiver using good quality Cat.6 solid core cable. Using a different cable type, or introducing wall plates, couplers or patch panels will result in a reduction of possible distances.

Product	SKU
LINDY 100M C6 HDBASET 2.0 HDMI & USB KVM EXTENDER	LIN-38209

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In addition to extending Ultra HD uncompressed video signals the C6 HDMI 2.0 & USB KVM Extender can also provide the following additional/optional functionality:

USB
The Transmitter and Receiver both feature a USB Type A Female port labelled USB-H (USB Host) for connection to a PC using a USB Type A Male/Male cable and two USB Type A Female ports labelled USB-D (USB Device) for the connection of basic USB devices such as Keyboard, Mouse, Pen drive or Printer – Web Cameras are not supported!

Using the USB Host/Device selection switch on the front of the Transmitter and Receiver it is possible to determine which ports are active on each unit; so the Transmitter and Receiver can have either active Host or Device ports. For the USB extension function to work correctly the Transmitter and Receiver must be set to different Host/Device values and an USB connection should only be made to the active ports on either unit.

Please Note: After using the USB Host/Device selection switch on the Transmitter and Receiver it is required to power cycle the Extender by disconnecting/reconnecting the power supply connected to the Transmitter.

10/100 Ethernet
The Transmitter and Receiver units both feature a single RJ45 port for the connection of network equipment such as a Router, Network Switch, IP Camera, Wireless Access Point or Smart TV.

RS-232 Serial
The Transmitter and Receiver both feature a terminal block Serial connection for the extension of control signals.

Infrared Control
The Transmitter and Receiver units both feature an IR In and Out port, with a pair of IR extension cables provided. The extension cables allow an IR remote control to be used from the Transmitter to the Receiver or vice versa.

Digital Audio
The Transmitter and Receiver units both feature an Optical SPDIF In and Out port, allowing separate digital audio signals to be extended from the Transmitter to the Receiver, from the Receiver to the Transmitter or in both directions simultaneously.

Analogue Audio
The Transmitter features an analogue stereo input via a 3.5mm stereo audio socket with the corresponding output on the Receiver, allowing an additional audio source to be extended alongside a HDMI signal.

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Key Benefits

- Extends HDMI 2.0 compatible signals up to 100m using HDBaseT™ 2.0 Technology
- Supports resolutions up to Ultra HD 4096/3840x2160p60 including 1080p 3D

- Use a single cable to extend HDMI, USB, RS-232, IR, Ethernet and Audio Signals
- Integrated Power over Cat.6 (PoC) functionality, requires only a single power supply
- 2 Year Warranty

Technical Specification

Lindy 100m C6 HDBaseT 2.0 Extender Specification

Specifications	Transmission Medium: 1 x Cat.5e/6
AV Interface: HDMI	Laser Class (only for Fibre): -
Interface Standard: HDMI 2.0	Wavelength (only for Fibre): -
Supported Bandwidth: 10.2 Gbps	Chipset: VS2310
Maximum Distance: 100m (328.08ft)	Special Features: PoC (Power over Cat.6)
Maximum Resolution: 3840x2160@60Hz 4:2:0 8bit	Connectors
HDCP Support: Pass-through	Transmitter Input: HDMI (Female), IR (Female), 3.5mm (Female), TOSLink audio
EDID Pass Through: Pass-through	Transmitter Output: RJ45, TOSLink audio
Supported Audio: Pass-through	Receiver Input: RJ45, TOSLink audio
Separate Audio Ports: 3.5mm, TOSLink	Receiver Ouput: HDMI (Female), IR, 3.5mm (Female), TOSLink audio
IR Support: 30-60kHz	Bidirectonal Ports: USB, 10/100 Ethernet, RS232
CEC Support: Pass-Through	Power: 5.5/2.1mm DC socket
Serial Interface: RS232	Physical Properties
Transmission Protocol: HDBaseT	Dimensions WxDxH: 165x141x33mm (6.5x5.55x1.3in) per unit

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Technical Specification

Lindy 100m C6 HDBaseT 2.0 Extender Specification	
Physical Properties	**Warranty (Years):** 2
Housing Material: Metal	**Certified:** CE, UKCA, FCC, RoHS & REACH
Net Weight: 0.525kg (1.16lb) per unit	**Package Contents**
Operating Temperature: 0°C - 40°C (32°F - 104°F)	Transmitter unit
Storage Temperature: -20°C - 60°C (-4°F - 140°F)	Receiver unit
Humidity: 20-90% RH (non-condensing)	2 x IR emitter cable
Power Requirements: 24VDC 1A	2 x IR receiver cable
Colour: Black	2 x Terminal block
Miscellaneous	Mounting kit
Packaging Type: Carton Box	Multi-Country Power Supply (EU, UK, US & AUS)
Packaging Dimensions: 300x235x60mm (11.81x9.25x2.36in)	Lindy manual
Gross Weight: 1.4kg (3.09lb)	