

100m Cat.6A Type C 4K60 Video and Data HDBaseT 3.0 Extender

No.: 39347

Supports DisplayPort Alternate mode, USB 2.0 and PD 100W

Description

- Sends uncompressed USB-C video and data signals up to 100m over Cat.6A network cable via HDBaseT 3.0 technology
- Supports 18G resolutions up to 4K@60Hz 4:4:4 with additional support for HDR
- USB Type C input and output supporting DisplayPort Alternate mode and USB 2.0
- Additional USB 2.0 device ports, USB-C power delivery up to 100W, RS-232 and PoC (Power over Cable)
- 3 year warranty

The Lindy Cat.6A USB Type C HDBaseT 3.0 Extender is a high-performance, reliable solution for extending AV and data signals over long distances via Cat.6A network cable.

The following distance and resolution combinations are possible when using high-quality Cat.6A or higher U/UTP or F/UTP cable:
70m: 3840x2160@60Hz 4:4:4 8bit / 4:2:2 12bit
100m: 3840x2160@30Hz 4:4:4 8bit / 4:2:2 12bit

Supporting uncompressed resolutions up to 4K Ultra HD, video can be viewed in stunning clarity, while HDR (High Dynamic Range) ensures enhanced brightness, greater contrast, and a much wider colour gamut.

This extender provides fully featured USB Type C input and output ports to connect sources such as a PC or laptop to touchscreens supporting DisplayPort Alternate Mode and USB 2.0 data transfer. The USB Type C charging port on the transmitter delivers up to 100W power to the Type C input when connected to an external power supply.

PoC (Power over Cable) functionality with On/Off switch provides additional flexibility. This allows power to be supplied alongside data through Cat.6A network cable in a point-to-point connection between the transmitter and receiver, meaning only a single power supply is required at one side of the installation.

Users have complete control of the unit via APIs over RS-232 or the USB Type C service port, with EDID presets, copy, user-defined functions, and a pattern generator.
Additional USB 2.0 device ports are available on both the transmitter and receiver, enabling applications such as KVM, collaboration, and meeting room solutions.

The extender also supports any USB Type C DP Alt Mode to Video converter, allowing connections to HDMI® or DisplayPort screens via the receiver's output.

HDBaseT is a globally recognised standard for high-quality distribution of AV content and other technologies, including

power and control, over long distances via low-cost Cat.6 or higher cable.

HDBaseT Trademark and the HDBaseT Alliance logo are trademarks of the HDBaseT Alliance.

Please note: the quoted lengths and resolutions are achievable only with a direct connection between the transmitter and receiver using good quality Cat.6A or higher cable. Using other cable types, couplers, or patch panels may reduce achievable distances.

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Technical details

Specifications

AV Interface: Type C
Interface Standard: USB 2.0
Supported Bandwidth: 18Gbps
Available USB Bandwidth: 350Mbps
Maximum Distance: 100m (328.08ft)
Maximum Resolution:
- 70m (229.66ft) - 3840x2160@60Hz 4:4:4 8bit
- 100m (328.08ft) - 3840x2160@30Hz 4:4:4 8bit / 4:2:2 12bit
HDCP Support: 2.2
EDID Pass Through: presets, user-defined and copy function
Supported Audio: Pass Through
Separate Audio Ports: -
IR Support: -
CEC Support: -
Serial Interface: RS-232 Pass Through
Transmission Protocol: HDBaseT 3.0
Transmission Medium: Cat.6A
Laser Class (only for Fibre): -
Wavelength (only for Fibre): -
Chipset: VS3000
Special Features: DisplayPort Alternate mode, APIs, 100W PD on Type C port, PoC (Power over Cable) with On/Off switch

Connectors

Transmitter Input: USB Type C Alt Mode (Female), USB Type C PD (Female)
Transmitter Output: RJ-45 (Female), 2x USB Type A (Female)
Receiver Input: RJ-45 (Female)
Receiver Output: USB Type C Alt Mode (Female), 2x USB Type A Device (Female), USB Type C Device (Female)
Control Ports: USB Type C (Female), RS-232 3-Pin Terminal Block
Power: 5.5/2.1mm

Physical Properties

Dimensions (approx.) WxDxH: 120x117x25.5mm (4.72x4.61x1in)
Housing Material: Metal
Net Weight: 1.8Kg (3.97lb)
Operating Temperature: 0°C - 40°C (32°F - 104°F)
Storage Temperature: -20°C - 60°C (-4°F - 140°F)
Humidity: 20 - 80% RH (non-condensing)
Power Requirements: 24VDC 3.75A
Colour: Black

Miscellaneous

Packaging Type: Carton Box
Packaging Dimensions: 320x180x80mm (12.6x7.09x3.15in)
Gross Weight: 2.06Kg (4.54lb)
Warranty (Years): 3
Product Compliance: CE, UKCA, FCC, RoHS, REACH & California Proposition 65

Package Contents

Transmitter
Receiver
IEC Power Supply (UK, EU, US & AUS cables)
2x 3-Pin Terminal Block
Lindy Manual

Purchasing Information

No.: 39347
EAN: 4002888393478

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