



## HDMI, IR & RS232 & Ethernet over Twisted Pair

The LightSpeed Technologies® 4K-100M-ADV-KIT includes one twisted pair transmitter, one twisted pair receiver, one power supply that provides flexible power to the extender set from either the transmit or receive side, IR and RS232 accessories and mounting brackets.

The extender set features a slim, easy-to-install chassis and powerful signal performance, including HDCP 2.2, HDMI 2.0 and 4K60 4:4:4 compatibility. In addition to HDMI, the 4K-100M-ADV-KIT transmits bi-directional IR, bi-directional RS232 and Ethernet.

### Product Snapshot

- Engineered and manufactured with genuine HDBaseT components
- Supports video resolutions up to 4K@60Hz 4:4:4 8bit
- Supports HDMI 2.0 and HDCP 2.2
- Supports HDR (High Dynamic Range), including HDR10 and Dolby Vision\*
- Transmits 4K60 HDMI signals up to 100m (330ft) over CAT6A/7 and 70m (230ft) over CAT5E/6
- Transmits 1080P HDMI signals up to 100m (330ft) over CAT6A/7 and 100m (330ft) over CAT5E/6
- Supports audio formats in the HDMI 2.0 specification, including PCM, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
- Supports bi-directional IR and RS232 pass-through
- Supports Ethernet pass-through
- Supports bi-directional power (PoC compatible) from either the receiver or transmitter
- Slim chassis with optional mounting brackets for easy installation

**\*Note:** The 4K-100M-ADV-KIT supports Dolby Vision only if the data rate is less than or equal to 10.2Gbps.

## Specifications

Video	
Input/Output Signal Type	HDMI 2.0, HDCP 2.2, HDR, 3D
Input/Output Resolution Supported	Up to 4096x2160@60Hz, including 4K@60Hz/4K@30Hz/1080P/1080I/720P
Deep color	4K: 8/10/12 bit 1080P: up to 16 bit
Maximum Data Rate	18 Gbps
Maximum Pixel Clock	600MHz
Supported Audio Formats	Fully supports audio formats in the HDMI 2.0 specification, including PCM, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
Max Distance	
CAT5E/6 (UTP or STP)	1080P/1080I/720P: 100m (330ft) 4K: 70m (230ft)
CAT6A/7 (UTP or STP)	1080P/1080I/720P: 100m (330ft) 4K: 100m (330ft)
HDMI interconnect cables	15m (49ft) for 1080P/1080I/720P 10m (33ft) for 4K60/4K60
General	
Operating Temperature	32°F to 113°F (0°C to 45°C)
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Humidity	10% to 90%, non-condensing
ESD Protection (Human-body Model)	±8kV (Air-gap discharge) ±4kV (Contact discharge)
Power Supply	DC 12V 2A
Power Consumption (Maximum)	17.04W (Pair, PoC)
Device Dimension (W x H x D)	Transmitter: 5.91" x 0.62" x 3.75" (150 mm x 15.8 mm x 95.2 mm) Receiver: 5.91" x 0.62" x 3.75" (150 mm x 15.8 mm x 95.2 mm)
Product Weight	Transmitter: 0.57lb (0.26kg) Receiver: 0.57lb (0.26kg)

## Kit Information

Part Number	<b>4K-100M-ADV-KIT</b>
<b>Contents</b>	1 x twisted pair transmitter 1 x twisted pair receiver 1 x power supply (12VDC/2A) 1 x IR emitter 1 x IR receiver (rated for broadband 30-50KHz) 2 x Phoenix-style male connectors (3.5mm, 3 pin) 4 x mounting brackets and screws

