

**Overview:**

The HDMI 2.0 Extender Kit allows HDMI equipment supporting uncompressed video up to 4K/60 (4:4:4) resolutions to be connected over Cat6a/7 unshielded twisted pair cable in a point-to-point configuration at distances up to 30m at 4K/60, 40m at 4K/30 and 45m at 1080p. The unit supports HDCP 2.2, and audio pass-through up to Dolby Atmos & DTS:X. The HDMI 2.0 Extender Kit supports a 1-way IR port (carrier wave) for remote control of end devices. The kit comes with one (1) Transmitter and one (1) Receiver as well as an IR Emitter and IR Sensor for remote control applications.

**Features:**

- Video up to 4K/60 (4:4:4) uncompressed
- HDCP 2.2
- Pass-through of up to Dolby Atmos and DTS:X audio
- 30m (100ft) at 4K/60 over Cat6a/7 cable
- Point-to-point connectivity
- 1-way IR for remote control of end devices
- PoC to power either the TX or RX unit

**Applications:**

<b>Environment</b>	HDMI 2.0
<b>Devices</b>	DVD, plasma, projectors, monitors, TV, PC, laptops, servers supporting HDMI.
<b>Transmission</b>	Transparent to the user
<b>Bandwidth</b>	594MHz
<b>Signals</b>	HDMI 2.0 and HDCP 2.2
<b>Connectors</b>	One (1) HDMI receptacle. One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair. One (1) 3.5mm jacks for 1-way IR (emitter or sensor) (IR port supports carrier wave from 38 to 60KHz) <i>Note: HDMI cables not included.</i>
<b>Maximum Distance</b> <i>Based on a maximum length of 6.6 ft (2 m) of HDMI cable per end.</i>	30m (100ft) at 4K/60 (4:4:4) uncompressed over Cat 6a/7 40m (130ft) at 4K/30 (4:4:4) uncompressed over Cat 6a/7 45m (148ft) at 1080p/60 uncompressed over Cat 6a/7 <i>Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.</i>
<b>RJ45 Pin Configuration</b> <i>Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.</i>	RJ45 Link Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T)
<b>Cable</b>	One (1) Cat 6a/7 or better twisted pair cables required
<b>Power Supply</b>	One (1) 110-240V/12VDC @ 2A power supplies with interchangeable blades; US, UK & Euro
<b>Power Consumption</b>	Transmitter: 6 Watt Receiver: 6 Watt
<b>Temperature</b>	Operating: 0° to 40°C Storage: -20° to 70°C Humidity: Up to 95% non-condensing
<b>Enclosure</b>	Metal black
<b>Dimensions</b>	3.54" x 1.73" x 0.91" (90 mm x 44 mm x 23 mm)
<b>Weight</b>	1.0 lb (0.45 kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS
<b>Warranty</b>	2 years
<b>Order Information</b>	500409 HDMI 2.0 Extender Kit (UPC: 627699004098)

