



The Atlona AT-UHD-EX-100CE-KIT is an HDBaseT™ transmitter/receiver kit for HDMI transmission up to 328 feet (100 meters) over category cable with Ethernet pass through, RS-232 and IR control, plus Power over Ethernet. This extender kit transmits video signals up to 4K/UHD @ 60Hz with embedded multi-channel audio and remote 48V power for the receiver. Additionally, the kit extends Ethernet, RS-232, and 12 volt-based IR control commands. The kit is HDCP 2.2 compliant and supports EDID communication. Both transmitter and receiver feature quarter rack width metal enclosures for easy rack mounting with rear panel I/O ports for uncluttered wire management.

The AT-UHD-EX-100CE-KIT provides integrator-friendly features including: IEEE standards-based PoE transmission for safety and compatibility; HDCP 2.2 compliant for meeting the latest copy protection requirements; rack-mountable form factor for accommodating four transmitters in a single 1U rack tray; power chaining for powering multiple devices from one power supply; and front mounted USB port for easy firmware updates.

The AT-UHD-EX-100CE-KIT is ideal for use in residential or commercial point to point applications that require greater HDBaseT signal transmission distance than the UHD-EX-70C can support. As a transmitter/receiver pair, the kit can be used with the H2H matrix switcher and HDDA distribution amplifier series and third party control systems for long distance AV signal and control extension with PoE capability. On its own, the AT UHD-EX-100CE-RX receiver is compatible with the UHD-PRO3 Series, AT-UHD-CLSO-601 and AT-UHD-SW-52ED.

4K/UHD capability -

- Compatible with Ultra High Definition sources and displays
- Future proofs AV systems in preparation for technology improvements, 4K/UHD streaming services and playback devices

HDCP 2.2 compliant -

- Adheres to latest specification for High-bandwidth Content Protection
- Allows protected content stream to pass between devices

Remote-powered receiver -

- Industry standard IEEE 802.3af PoE for receiver is supplied by transmitter over HDBaseT
- Saves time and integration costs

AV, Ethernet, power, and control over HDBaseT -

- Delivers 4K/UHD video, audio, 100Base-T Ethernet, power, and control through a single cable
- Eliminates multiple cable runs between source, control system, router, and display

Extended distance HDMI extension -

- Extended distance HDMI extension Transmits HDMI signals up to 328 ft (100m) @ 1080P and 328 ft (100m) @ 4K/UHD using CAT6a/7 cable
- Uses easy-to-integrate category cable for low-cost, reliable system installation

Specifications

Video Resolutions

Video	4096x2160@24/25/30/50*/60Hz*, 3840x2160@24/25/30/50*/60Hz* (UHD), 2048x1080p, 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i
VESA	2560x2048, 2560x1600, 2048x1536, 1920x1200, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1280x768, 1152x768, 1024x768, 800x600, 640x480
Colorspace	YCbCr, RGB
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Color depth	8-bit, 10-bit, 12-bit

Audio

Formats - pass through	PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos
Sample Rate	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
Bit rate	up to 24-bit

Distance

CAT5e/6 @ 4K	up to 70M	up to 230 ft
CAT6a/7 @ 4K	up to 100M	up to 328 ft
CAT5e/6 @ 1080p	up to 100M	up to 328 ft
HDMI IN/OUT @ 4K	up to 5M	up to 15 ft
HDMI IN/OUT @ 1080p	up to 10M	up to 30 ft

Signal

Bandwidth	10.2 Gbps
CEC	Yes
HDCP	supports up to 2.2

Temperature

Operating	0°C to 50°C	32°F to 122°F
Storage	-20°C to 60°C	-4°F to 140°F
Humidity	20 to 90% non-condensing	

Power

Consumption - Kit	15.2W
Supply	Input: AC100~240V 50/60Hz Output: DC48V 0.83A

Dimension

H x W x D	25 x 109 x 127 (mm)	0.98 x 4.29 x 5.00 (inch)
w/ears	27 x 119 x 127 (mm)	1.06 x 4.69 x 5.00 (inch)

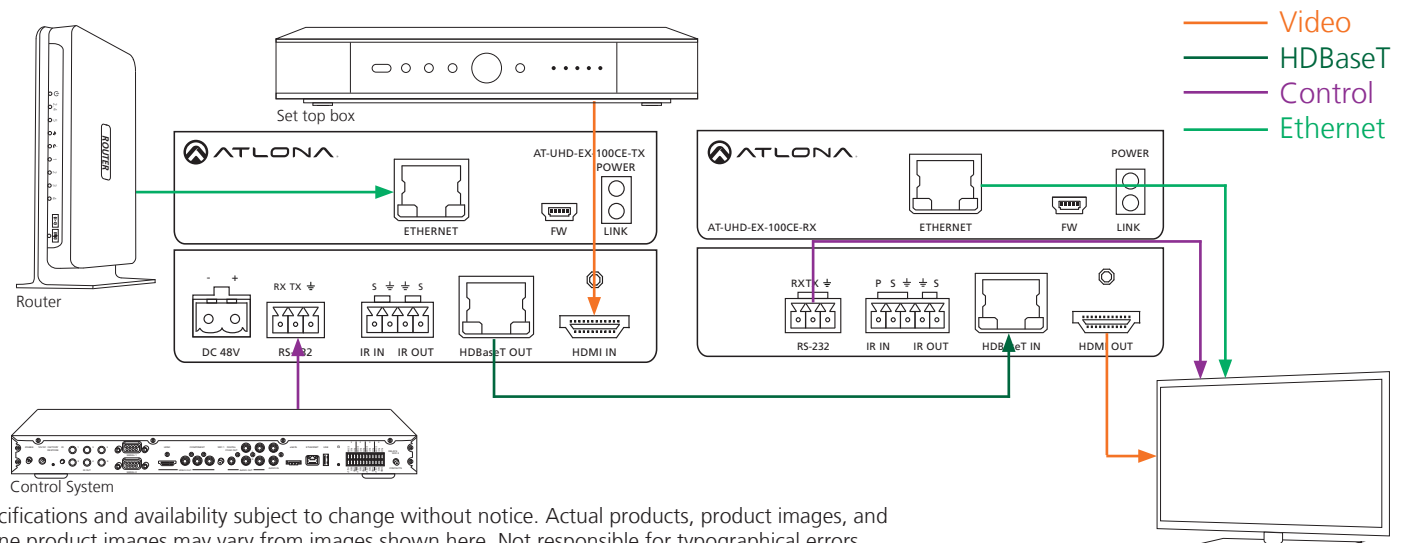
Weight

Device	0.39 kg	0.86 lbs
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Certification

Power Supply	CE, FCC, cULus, RoHS, CCC, RCM
Product	CE, FCC

**4096x2160@50/60Hz & 3840x2160@50/60Hz supported @ chroma subsampling 4:2:0 8-bit only



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