



The Atlona **100CER-PoE-EXT** is an HDBaseT™ transmitter and receiver combination that includes the **AT-UHD-EX-100CE-TX-PD** HDBaseT transmitter and **AT-UHD-EX-100CE-RX-PSE** HDBaseT receiver. It extends HDMI up to 330 feet (100 meters) over category cable with Ethernet pass-through and RS-232 control. The 100CER-PoE-EXT supports video signals up to 4K/UHD @ 60 Hz with 4:2:0 chroma subsampling, plus embedded multi-channel audio.

The transmitter is remotely powered by the receiver via Power over Ethernet. This makes the 100CER-PoE-EXT ideal for applications in which the transmitter needs to be installed in a location where local AC power may not be available, such as a lectern or conference room table.

4K/UHD capability @ 60 Hz with 4:2:0 chroma subsampling -

- Compatible with HDMI sources up to 4K/60 4:2:0 and 4K/30 4:4:4
- Supports high resolution applications such as CAD, 3D visualization, desktop publishing, and detailed financial reporting

HDCP 2.2 compliant -

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

Extended distance HDMI extension -

- Transmits AV, control, and Ethernet up to 330 feet (100 meters) @ 1080p with CAT5e/6 or 4K/UHD using CAT6a/7 cable
- Uses easy-to-integrate category cable for low-cost, reliable system installation

Extends RS-232, CEC, and Ethernet control signals -

- Control signals travel over HDBaseT link to device for maximum control system flexibility
- Simplifies integration of source, control system, and display

Transmitter powered by receiver via PoE (Power over Ethernet) -

- Power for transmitter is supplied by receiver over HDBaseT
- Allows convenient transmitter installation at a lectern or conference table without the need for local AC power

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	YUV RGB
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Color depth	8-bit, 10-bit, 12-bit

Audio

Format - 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 330 ft
CAT5e/6 @ 1080p	up to 100M	up to 330 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)

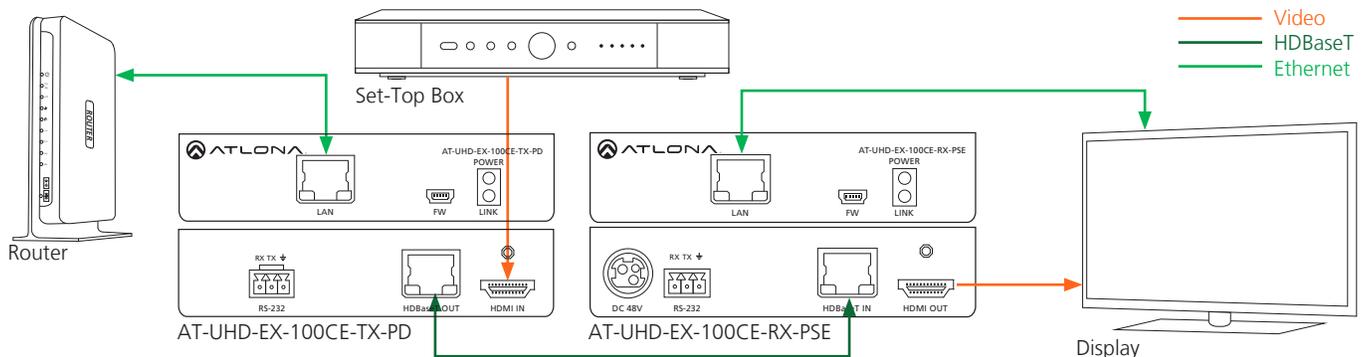
Weight

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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