

# What's in the Box?

PART NO.	QTY	DESCRIPTION
HDX-ULT-TX	1	HDX-Ultimate Transmitter Unit - HDMI Point to Point Cat5e/6 Extender
HDX-ULT-RX	1	HDX-Ultimate Receiver Unit - HDMI Point to Point Cat5e/6 Extender
Power Supply	2	PS12VDC2A

## Technical Specifications

VIDEO	
Format	HDMI 1.3 and HDCP Compliant
HDTV Resolutions	Up to 4K (3840x2160 @ 30Hz)
Audio	HDMI Digital Audio
Input Interference	RJ-45 for Cat5e/6
Output Interference	HDMI, HDBT, IR, RS-232
Input Cable Length	Up to 450 ft over Cat5e/6
Output Cable Length	Up to 20 ft over HDMI
IR	
Signal Type	38 KHz
OTHER	
Power	External 100-240 VAC/5V-12V@20W
Dimensions	5"W x 1.125"H x 4.125"D
Weight	0.6 lb.
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-131°F (-5-70 °C)
Operating Humidity	5-95%

ORDER INFO	
Part No.	Description
HDX-ULT-S	HDMI, IR, and RS-232 PoE Extender over a Single CAT5e/6 Cable. Includes: [HDX-ULT-TX, HDX-ULT-RX, and PS12VD2A-WLLMNT]
HDX-ULT-TXS	HDX-Ultimate Transmitter: HDMI and IR over CAT5e/6 Transmitter with PoE support, up to 450ft. Includes: [HDX-ULT-TX and PS12VD2A-WLLMNT]
HDX-ULT-RXS	HDMI, IR, and RS-232 PoE Receiver. Includes: [HDX-ULT-RX and PS12VD2A-WLLMNT]

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## Installation Manual

### HDX-ULTIMATE 4K-ready PoE Cat5e/6 HDBaseT HD Extender



The HDX-Ultimate includes a transmitter (TX) and receiver (RX) that extends 4K HDMI signals up to 450 feet away.  
\*RS-232 Optional

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## Introduction

The HDX-Ultimate consists of a transmitter (TX) and receiver (RX) unit that extend 4K HDMI signals 300 feet on each side via Cat5e cables and up to 450 feet with Cat6 cables. Optional controls include bi-directional IR and RS-232 support.

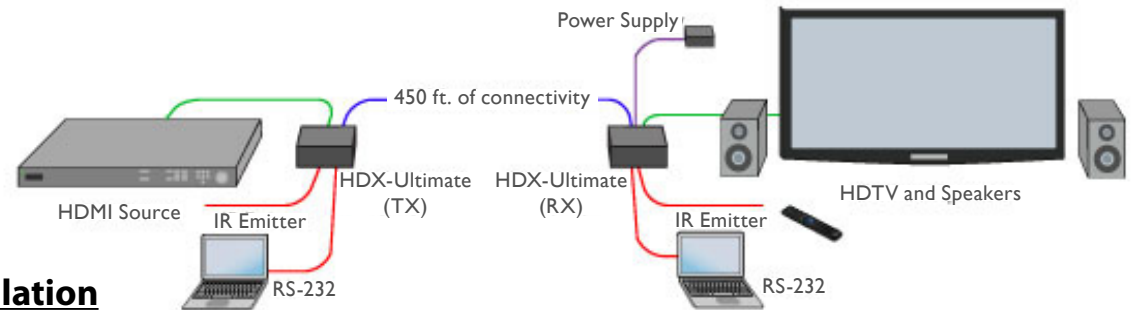
## Features

- Supports PoE: can be powered by TX or RX units
- Cat6 cables extend signals over 450ft
- Powered over Ethernet (PoE)
- (1) HDMI output for HDTV support
- Supports resolutions up to 4K (3840x2160 @ 30Hz)
- Up to 10.2 Gbps ultra-HD bandwidth
- HDCP compliant; Automatic EDID Learning
- Bi-directional IR and optional RS-232 control
- LED status indicators
- Rack Optional

## Applications

- Digital Signage
- Corporate Communication
- Classrooms
- Business Slideshows
- Entertainment Venues
- Airports and Transportation Hubs
- Government Presentations
- Law Enforcement Facilities
- ... and many more!

## Product - Installation Diagram



## Installation

1. Turn off the computer, display, and speakers.
2. Connect the HDMI cable to your computer and to the HDX-Ultimate-TX.
3. Connect the display to the HDMI connector on the HDX-Ultimate-RX.
4. Connect the HDX-Ultimate TX and RX units via Cat5e/6 cable.  
\*\* Connect optional RS-232 devices to HDX-Ultimate-TX and HDX-Ultimate-RX. \*\*
5. Connect the power cord and power on either the HDX-Ultimate-TX or the HDX-Ultimate-RX.
6. The connection and power indicator lights should illuminate.
7. Power on the computer, display, speakers and optional RS-232 devices.

HDX-Ultimate-TX



HDX-Ultimate-RX