

## Serveredge HDBaseT 4K2K HDMI Extender Kit (Tx/Rx) with IR, Bi-directional Serial & Ethernet - Up to 100m

Product Code: HD232-EX-100-HDBT

### PRODUCT DESCRIPTION

The Serveredge HD232-EX-100-HDBT is a HDBaseT™ transmitter/receiver kit that transmits uncompressed digital HDMI, IR, Bi-directional Serial (RS232) and Ethernet up to 100 metres over a single CAT5e/CAT6/CAT6A cable. Each video extender consists of a local unit that connects to an HDMI source and a remote unit that connects to an HDMI display. The kit transmits UHD (3840 X 2160) resolution up to 70m and Full HD (1920 X 1080) up to 100m distance. Both Transmitter and Receiver units have Bi-directional 3 X RJ45 ports for connecting multiple devices.

This Serveredge HD232-EX-100-HDBT extender kit is HDCP compliant and only requires single power supply at either transmitter or receiver end. It features compact size for easy set up and install.

### PRODUCT SPECIFICATION

#### Transmitter Unit Specifications:

Input Port :	HDMI x 1
Output Port :	RJ-45 x 1
LED	
Status LED :	Dual Color x 1
LAN LED :	Single Color x 3
Video Resolution (max.) :	UHD (3840 x 2160 @ 30Hz)
Extension Distance :	Full HD 1920 x 1080 @ 100M UHD 3840 x 2160 @ 70M
Ethernet Port :	RJ-45 x 3 (10/100 Mbps)
Serial Port:	DCE, DB9-F (115kbps (max.))
IR Extension :	IR Transceiver X 1
Power Supply :	DC 12V (Single power supply at either one end of two units (Tx & Rx))
Enclosure :	Metal
Weight (gram) :	410~420
H x W x D (mm) :	140 x 85 x 34



#### Receiver Unit Specifications:

Input Port :	RJ-45 x 1
Output Port :	HDMI x 1
LED	
Status LED :	Dual Color x 1
LAN LED :	Single Color x 3
Video Resolution (max.) :	UHD (3840 x 2160 @ 30Hz)
Extension Distance :	Full HD 1920 x 1080 @ 100M UHD 3840 x 2160 @ 70M
Ethernet Port :	RJ-45 x 3 (10/100 Mbps)
Serial Port:	DCE, DB9-M (115kbps (max.))
IR Extension :	IR Receiver X 1
Power Supply :	DC 12V (Single power supply at either one end of two units (Tx & Rx))
Enclosure :	Metal
Weight (gram) :	410~420
H x W x D (mm) :	140 x 85 x 34

\*Above video resolution and extension distance are based on a single CATx 24AWG solid cable without cascade. STP cabling is recommended for environments with high EMI or RFI. For the best performance results, using stranded cabling or other thinner cables, and coiling of excess cable lengths should be avoided.

### PRODUCT FEATURES

#### 4K/UHD capability

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

#### HDCP Compliant

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

#### Only Single Power Supply Required

Only requires single power supply at either transmitter or receiver end. Saves time and integration costs

#### Extended distance HDMI extension

Transmits HDMI signals up to 100m @ 1080P over CAT5e/6/6A or 4K/UHD up to 70m. Uses easy-to-integrate category cable for low-cost, reliable system installation

#### HDMI, IR, Bi-directional Ethernet and control over HDBaseT

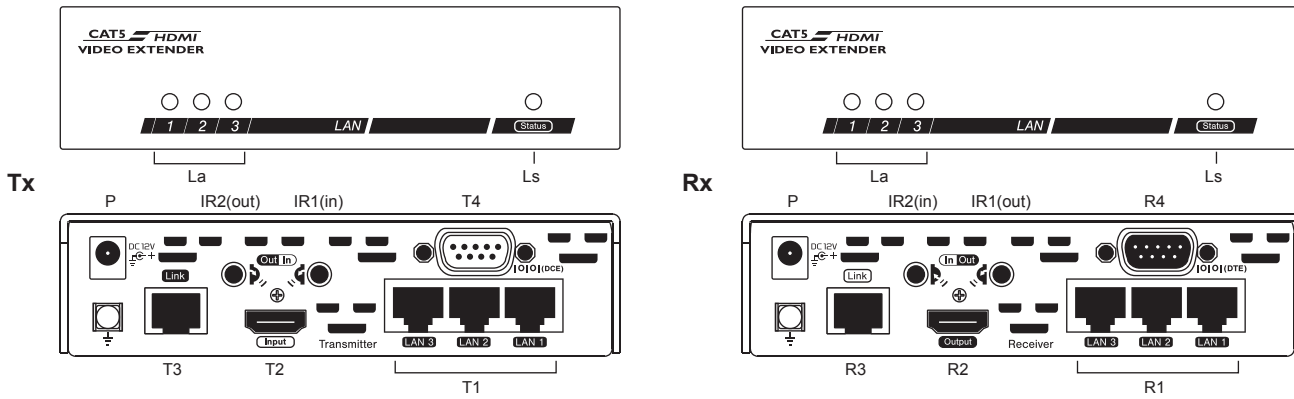
Delivers 4K/UHD video, audio, IR and Bi-directional 100Base-T Ethernet and control over a single cable. Eliminates multiple cable runs between source, control system, router, and display

#### Warranty : 2 Years

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### PHYSICAL DESCRIPTION



T1 R1	: RJ-45 Connector	Connect to ethernet devices
T2 R2	: HDMI connector	[T2] Connect to an HDMI source [R2] Connect to an HDMI display
T3 R3	: RJ-45 Connector	Use a CATx cable for connection between two units
T4 R4	: Serial Port	[T4] (DCE) Connect to a computer [R4] (DTE) Connect to a computer
P	: Power Supply	[R5] Red: Power on / Blue: Link OK
IR1(out)	:	Connect to an IR Receiver
IR1(in)	:	Connect to an IR Transceiver
IR2(out)	: Jack	Connect to an IR Receiver
IR2(in)	:	Connect to an IR Transceiver
La	: Lan LED	Yellow : LAN status (Data communication)
Ls	: Status LED	[Tx] Blue : Link status; Green : Power on; Flashing Blue+Green : Power-saving mode [Rx] Blue : Link status; Red : Power on; Flashing Blue+Red : Power-saving mode

### CONNECTION GUIDE

