SERVEREDGE

Serveredge HDBaseT DisplayPort Extender Kit (Tx/Rx) with Bi-directional IR - Up to 100m

Product Code: SEDG-DP100EXT

PRODUCT DESCRIPTION

The Serveredge SEDG-DP100EXT is a DisplayPort over HDBaseT extender kit (Tx/Rx) for DisplayPort signal transmission up to 100 meters (WQXGA (2560 X 1600) resolution up to 70m) over a single CAT5e/CAT6/CAT6A cable with Bi-directional IR control capability. The kit is HDCP compliant and only needs power supply at either Transmitter or Receiver end. EDID Migration ensures the optimum video performance and supports resolutions up to WQXGA (2560 X 1600) and Full HD 1080p

It's an advanced and inexpensive all-in-one connectivity solution to minimise-cost with use of only a single CAT cable between Transmitter and Receiver. Its perfect for applications like hospitality (hotels, conference rooms), digital signage (airports, shopping malls), surveillance cameras, whole-home networking, and point-to-point consumer applications.

PRODUCT SPECIFICATION

Package Includes

* 1 x DisplayPort Extender Transmitter Unit
* 1 x DisplayPort Extender Receiver Unit
* 1 x Power Adapter (Set / Pc)
* 1 x User's Manual
* 1 x CAT5 Cable
* 2 x Foot Pad Set

Transmitter Unit Specifications:

Input Port :	DisplayPort x 1
Output Port :	RJ-45 x 1
LED (Power/Video Status) :	Multi-colour x 1
Video Resolution (max.) :	WQXGA (2560 x 1600 @ 60Hz)
Extension Distance :	WQXGA (2560 x 1600) @ 70m
	Full HD (1920 x 1080) @ 100m
Power Supply :	DC 12V (Single power supply at either one end of two units (Tx & Rx))
Enclosure :	Metal

Receiver Unit Specifications:

Input Port :	RJ-45 x 1
Output Port :	DisplayPort x 1
LED (Power/Video Status) :	Multi-colour x 1
Video Resolution (max.) :	WQXGA (2560 x 1600 @ 60Hz)
Extension Distance :	WQXGA (2560 x 1600) @ 70m
	Full HD (1920 x 1080) @ 100m
Power Supply :	DC 12V (Single power supply at either one end of two units (Tx & Rx))
Enclosure :	Metal

*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

WQXGA (2560 X 1600) and Full HD capability
Supports WQXGA (2560 X 1600) and Full HD displays. Future proofs AV systems in preparation for technology improvements.

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 endSaves time and integration costs

Extended distance DisplayPort extension
Transmits DisplayPort signals up to 100m @ 1080P over CAT5e/6/6A or WQXGA (2560 X 1600) up to 100m. Uses easy-to-integrate category cable for low-cost, reliable system installation
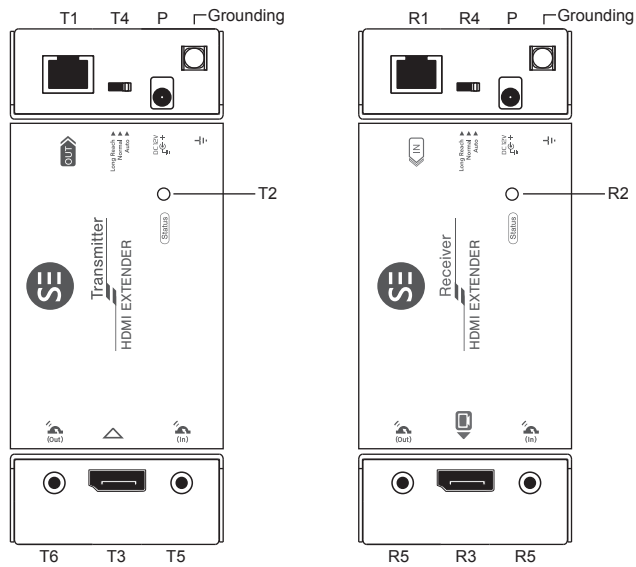
Bi-directional IR
Delivers WQXGA (2560 X 1600) and Full HD video, audio and Bi-directional IR over a single cable. Eliminates multiple cable runs between source and display

Warranty : 2 Years

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PHYSICAL DESCRIPTION

T1 R1 :	RJ-45 Jack	Use a CATx cable for connection between two units	
T2 R2 :	LED Indicator	Shows the unit's status	
T3 R3 :	DP connector	[T3] Connects with PC	
		[R3] Connects wiuth Display	
T4 R4 :	Slide Switch	HDBaseT™ Mode Switch	
T5 R5 :	IR Remote Jack	(IR in) Connect to IR Transmitter / Blaster	
T6 T6 :		(IR out) Connect to IR Transmitter / Blaster	
P :	Power Supply	Apply power from power supplier to the unit	

CONNECTION GUIDE

Media Device

IR Transceiver

IR Receiver

Receiver Unit

Up to 100m

Transmitter Unit

IR Receiver

IR Transceiver

---------- DisplayPort

---------- CAT 5e / 6 / 6a

---------- IR Cable

Display Device