VGA/HDMI over HDBaseT Extender Set with Ethernet, IR & Serial and 2-way PoH

EX-SW-0201-4K

Key Features

- HDBaseT 5Play Extender Set offering extension of 4K and HD Video, HD Audio, Ethernet, Power and control up to 100m/328ft using a single Cat6 cable
- Auto-switching transmitter detects and selects VGA (+audio) and HDMI devices as soon as the source is connected
- 2way PoH gives flexible installation options by allowing either the transmitter or receiver to be powered remotely
- 3.5mm jack on receiver de-embeds HDMI or VGA audio from the incoming signal

With HDMI up to 4K@60Hz YUV4:2:0 and VGA up to 1920 x 1200@60Hz, the EX-SW-0201-4K extender set offers 5Play compliance for distribution of 4K and HD video, HD audio, bidirectional IR and RS-232 control of the HDMI source, 2way power and Ethernet using HDBaseT Class A technology for reliable transmission over distances up to 70m/230ft (4K) or 100m/328ft (1080p).

In addition, EDID and DIP setting management allows for RS-232 and Long Cable modes to be toggled, as well as the manual setting of resolutions for improved communication and compatibility between source and display devices.

The EX-SW-0201-4K auto-switching transmitter automatically detects and selects a newly connected HDMI or VGA device for minimal effort needed by the user and also features a 3.5mm stereo mini-jack audio input to embed audio within the VGA signal.

Additional Features & Benefits

- Transmit HD resolutions up to 1920x1200 to 100m/328ft
- Transmit 4K@60Hz (4096x2160) to 70m/230ft
- HDCP 2.2 compliant
- 3D supported
- EDID management and DIP switch selection for manual setting of resolution, RS-232 control/firmware update function and long cable mode
- Low-profile 18mm chassis for unobtrusive installation
- Cable termination follows IEEE-568B standards

- LED indication for power supply to units, signal status to show established display connection, HDCP presence in signal and transmission link.
- Threaded bushings allow use of both standard and locking DC power plugs
- Energy efficient universal power supply included
- Mounting brackets included
- 3 year warranty

In the Box

1x EX-SW-0201-4K Transmitter
1x EX-SW-0201-4K Receiver
1x 12V DC 2A Power Supply (US/UK/EU)
2 x 3-pin Screw Down Phoenix Connectors

2x IR Emitters
2x Wide-band IR Receivers (30-50KHz)
4x Mounting Brackets (1pr for TX and 1pr for RX)
1x Quickstart Guide

Specification

Audio and Video	
Inputs	**Transmitter** 1x HDMI 19-pin type A 1x Audio In 3.5mm (1/8in) Stereo Jack 1x HDBT 8-pin RJ-45 female
Outputs	1x HDMI 19-pin type A 1x Audio Out 3.5mm (1/8in) Stereo Jack 1x HDBT 8-pin RJ-45 female
Audio Formats	2ch PCM | Up to 7.1 DTS-X and Dolby Atmos
Video Resolution (Max)	**HDMI** 1920x1080 @60Hz 48bit (15m/50ft) 4096x2160p @60Hz 24bit 4:2:0 (7m/23ft) **Using Cat5/5e** 1920x1080 @60Hz 36bit (100m/328ft) 1920x1080 @60Hz 3D 36bit (100m/328ft) **Using Cat6/6a** 1920x1080 @60Hz 36bit (150m/492ft) 1920x1080 @60Hz 3D 36bit (150m/492ft) 3840x2160p @24/25/30Hz 4:4:4 24bit (100m/328ft) 4096x2160p @60Hz 4:2:0 24bit (100m/328ft)
Color Depth	1080p: 48bit | 4K UHD: 24bit
Maximum Pixel Clock	297 MHz

Communication and Control	
HDMI	HDCP 2.2 | EDID | DVI/D supported with adapter (not included)
HDBaseT	HDCP 2.2 | EDID | PoH (2-way) | Bidirectional IR and RS-232
Ethernet	1x 8-pin RJ-45 female 10/100 Mbps auto-negotiating
IR	1x IR TX 3.5mm (1/8in) Mono 1x IR RX 3.5mm (1/8in) Stereo Bidirectional over HDBaseT
RS-232	1x 3-pin Screw Down Phoenix Connector Bidirectional over HDBaseT
Power	
Power Supply	Input: 100~240V AC 50/60Hz Output: 12V DC 2A
Max Power Consumption	26.5W
PoH (2-way)	48V 15.4W
Environmental	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing
Storage Temperature	-4°F ~ 140°F (-20°C ~ 70°C) 10% ~ 90%, non-condensing
Dimensions and Weight	
Height	20mm/0.79in
Width	200mm/7.87in
Depth	134mm/5.28in
Weight	0.6kg/1.32lbs
Regulatory	
Safety and Emission	CE | FCC

Basic Wiring Diagram