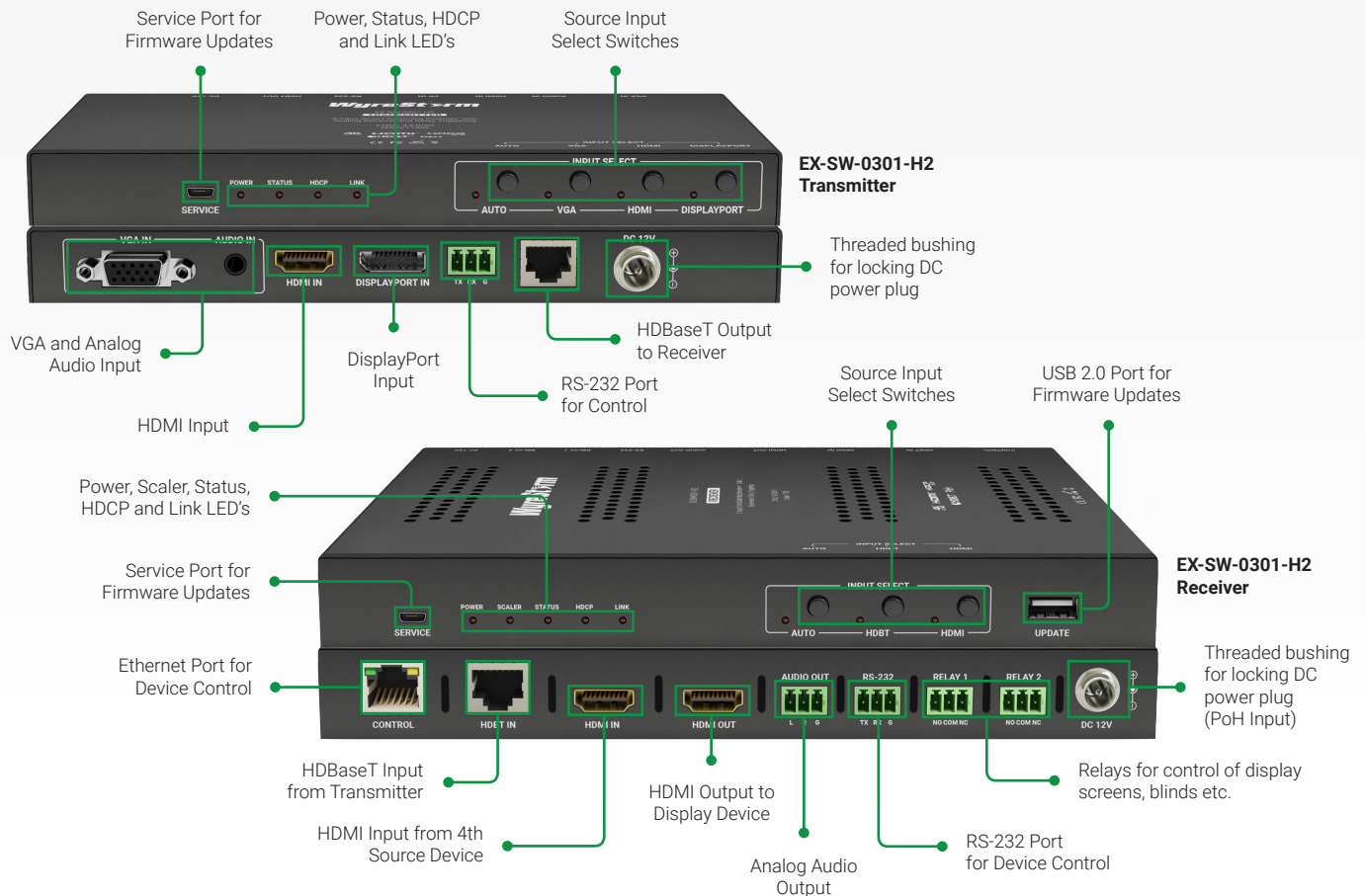


# 3x1 HDMI/VGA/DP Switching Extender with Scaling Receiver, Relay Triggering and HDCP 2.2

EX-SW-0301-H2

**WyreStorm**  
Specification Sheet



WyreStorm - Because the Technology Matters.

## Introduction

Hitting a sweet-spot between the 2-input and 4-input presentation switcher/extender products, the 0301 is a powerful HDBaseT™ extender with support for VGA, HDMI & DP inputs at the transmitter but also a 4th source local to the scaling receiver. Condition-based relays and support for HDCP 2.2 wrap up this formidable package.

## Key Features

- 3-input switcher & HDBaseT extender perfect for education or huddle room environments
- HDMI, DisplayPort and VGA inputs with automatic or manual switching
- 2x automatic (condition based) or manually triggered relays on receiver for projector screen or curtain control
- Receiver automatically scales content to match capability of connected TV or projector
- Class B HDBaseT Transmission to 35m/115ft@4K and 70m/230ft@1080p
- HDMI input on receiver for connection of additional source device, such as a signage player when a room is not in use
- Line level audio output on receiver
- PoH from receiver to transmitter means less clutter & cables on desk
- Compatible with latest 4K/60 4:2:0 source devices
- HDCP2.2 compliant
- Control via Ethernet port (TELNET) on RX, RS-232 or front panel buttons
- Slim chassis design means easy and discreet device placement

## In the Box

1x EX-SW-0301-H2 Transmitter  
1x EX-SW-0301-H2 Receiver  
1x AC 100-240V 50/60Hz to DC 12V Power Adapter

5x 3-pin Phoenix Connectors  
4x Mounting Brackets  
1x Quickstart Guide

# Specifications

| Audio and Video               |                                                                                           |          |                                                             |           |
|-------------------------------|-------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------|-----------|
|                               | Transmitter                                                                               |          | Receiver                                                    |           |
| Inputs                        | 1x VGA In: 15-pin VGA<br>1x Display Port In: DisplayPort 1.3<br>1x HDMI In: 19-pin type A |          | 1x HDMI In: 19-pin type A<br>1x HDBT In: 8-pin RJ-45 Female |           |
| Outputs                       | 1x HDBT Out (Class A): 8-pin RJ-45 Female                                                 |          | 1x HDMI Out: 19-pin type A<br>1x Audio Out: 3-pin Phoenix   |           |
| Output Video Encoding         | HDBaseT Class B                                                                           |          |                                                             |           |
| Encoding Data Rate            | 9.2Gbps                                                                                   |          |                                                             |           |
| End to End Latency            | 10μs (micro seconds)                                                                      |          |                                                             |           |
| Audio Formats                 | 2ch Analog/PCM   Multichannel: LPCM                                                       |          |                                                             |           |
| Video Resolutions (Max)       | Video Resolution                                                                          | HDMI     | Cat6                                                        | Cat6a/7   |
|                               | 1920x1200p @60Hz 12bit                                                                    | 15m/49ft | 60m/197ft                                                   | 70m/230ft |
|                               | 1920x1080p @60Hz 12bit                                                                    | 15m/49ft | 60m/197ft                                                   | 70m/230ft |
|                               | 3840x2160p @30Hz 8bit 4:4:4                                                               | 7m/23ft  | 35m/115ft                                                   | 40m/131ft |
|                               | 4096x2160p @60Hz 8bit 4:2:0                                                               | 7m/23ft  | 35m/115ft                                                   | 40m/131ft |
| Supported Standards           | DCI   RGB                                                                                 |          |                                                             |           |
| Maximum Pixel Clock           | HDMI: 600mHz   HDBaseT: 297MHz                                                            |          |                                                             |           |
| Communication and Control     |                                                                                           |          |                                                             |           |
| HDMI                          | HDMI   HDCP 2.2   EDID   DVI/D supported with adapter (not included)                      |          |                                                             |           |
| HDBaseT                       | HDMI   HDCP 2.2   EDID   1-way PoH Receiver to Transmitter                                |          |                                                             |           |
| Ethernet                      | 1x 8-pin RJ-45 female   IP Control (TELNET)                                               |          |                                                             |           |
| RS-232                        | 1x RS-232: 3-pin Phoenix (Transmitter and Receiver)                                       |          |                                                             |           |
| Relays                        | 2x Relay: 3-pin Phoenix (Receiver Only)                                                   |          |                                                             |           |
| Power                         |                                                                                           |          |                                                             |           |
| Power Supply                  | 12V DC 3A                                                                                 |          |                                                             |           |
| PoH                           | IEEE 802.3af 15.4 W Max                                                                   |          |                                                             |           |
| Max Power Consumption         | Transmitter: 7W   Receiver: 17W                                                           |          |                                                             |           |
| Environmental                 |                                                                                           |          |                                                             |           |
| Operating Temperature         | 0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing                                  |          |                                                             |           |
| Storage Temperature           | -20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing                                 |          |                                                             |           |
| Maximum BTU                   | Transmitter: 24 BTU/hr   Receiver: 58 BTU/hr                                              |          |                                                             |           |
| Dimensions and Weight         |                                                                                           |          |                                                             |           |
|                               | Transmitter                                                                               |          | Receiver                                                    |           |
| Rack Units/Wall Box           | <1U                                                                                       |          | <1U                                                         |           |
| Height With   Without Feet    | 20mm/0.79in                                                                               |          | 25mm/0.99in                                                 |           |
| Width With   Without Brackets | 194mm/7.64in                                                                              |          | 223mm/8.78in                                                |           |
| Depth With   Without Handles  | 94mm/3.71in                                                                               |          | 154mm/6.07in                                                |           |
| Weight                        | 0.5kg/1.1lbs                                                                              |          | 0.94kg/2.07lbs                                              |           |
| Regulatory                    |                                                                                           |          |                                                             |           |
| Safety and Emission           | CE   FCC   RoHS                                                                           |          |                                                             |           |

# Right Product for the Right Application.

