CH-2537TXWPEU

NEW ▶ 4K60 (4:4:4) 2×1 HDMI/VGA Wallplate Switcher over HDBaseT with PoH (PD) & LAN

INTRODUCTION

This Wallplate Switcher is a dual HDMI and VGA switch with audio embedding and HDBaseT output. The wall plate is designed for use with EU two-gang sized enclosures. This Switcher can send uncompressed high-definition video/audio over a single cable up to a distance of 100 meters at 1080p@60Hz. The HDMI inputs support resolutions up to 4K@60Hz (4:4:4, 8-bit) and the VGA input supports resolutions up to WUXGA (RB). With the use of the 3.5mm audio input, stereo audio may be embedded with VGA or DVI sources as well. Despite HDBaseT's 10.2Gbps bandwidth limitation, high bandwidth 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit), can be supported and will be converted to the 4:2:0 color space, or 8-bit color when necessary.

Automatic input detection between the HDMI and VGA inputs with hot plug detection is supported, enabling hands-free operation. A multi-function button on the face of the unit provides access to an information OSD as well as allowing manual input selection. Additional functionality such as EDID management, HDCP management and basic signal event automation (via RS-232 or CEC) is also available.

This Switcher (PD) may be powered locally or via 48V PoH from a compatible HDBaseT Receiver (PSE), which allows for greater flexibility in installations. The unit can be controlled via the front panel button with OSD, WebGUI, and Telnet. When paired with a compatible Receiver it may also be controlled via RS-232 making it exceptionally versatile.

FEATURES

- HDMI 2.0 and DVI 1.0 compliant
- HDCP 2.2 and HDCP 1.x compliant
- 2 HDMI inputs
- 1 VGA input with 3.5mm mini-jack audio input
- Wall plate is designed for EU two-gang sized enclosures
- Supports HDMI input resolutions up to 4K@60Hz (4:4:4, 8-bit)
- Supports VGA input resolutions up to WUXGA (RB)
- Analog stereo audio may be embedded with VGA or DVI/HDMI sources
- HDBaseT output supports resolutions up to 4K@60Hz (4:2:0, 8-bit) with automatic color space conversion of 4K@50/60Hz (4:4:4, 8-bit) or 4K@any (10/12-bit) sources
- Simultaneous transmission of uncompressed video, audio and data over a single Cat.5e/6/7 cable up to 100m/328ft at 1080p and 70m/230ft at 4K
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, and 48V PoH (PD)
- User activated information OSD
- Unit may be powered locally or via 48V PoH from a compatible HDBaseT Receiver (PSE)
- Supports manual input selection or automatic input selection with hot plug detection
- Front panel LEDs indicate HDCP mode, input source, and power
- Controllable via a multi-function front panel button with OSD, WebGUI, and Telnet, or via RS-232 (w/ compatible Receiver only)

HDCP 2.2   4K60 4:4:4   HDBaseT 4K 70m   PD 48V PoH

The specifications and features listed for pre-release hardware is subject to change.

For more information, go to www.cypress.com.tw

HDBaseT 1.0 Wallplate Switchers

SPECIFICATIONS	CH-2537TXWPUS	CH-2537TXWPUD	CH-2537TXWPEU	CH-2538TXWPKD
Input Ports	1×HDMI 1×VGA (HD-15) 1×Stereo (3.5mm)	2×HDMI 1×VGA (HD-15) 1×Stereo (3.5mm)	2×HDMI 1×VGA (HD-15) 1×Stereo (3.5mm)	1×HDMI 1×VGA (HD-15) 1×Stereo (3.5mm)
Output Port	1×HDBaseT (RJ45)	1×HDBaseT (RJ45)	1×HDBaseT (RJ45)	1×HDBaseT (RJ45)
Pass-through Port	N/A	1×LAN (RJ45)	1×LAN (RJ45)	1×LAN (RJ45)
Power Supply	12V/3A	12V/3A	12V/3A	12V/3A
Dimensions	46mm×104mm×67mm (W×H×D) [Case Only] 46mm×104mm×71.5mm (W×H×D) [All Inclusive]	91.8mm×104mm×50mm (W×H×D) [Case Only] 91.8mm×104mm×54mm (W×H×D) [All Inclusive]	147mm×87mm×42mm (W×H×D) [Case Only] 147mm×87mm×48mm (W×H×D) [All Inclusive]	147mm×87.5mm×41.5mm (W×H×D) [Case Only] 147mm×87.5mm×46.6mm (W×H×D) [All Inclusive]
Weight	200g	245g	250g	250g

Product Selection Guide

HDBaseT FEATURES	CH-2537TXWPUS	CH-2537TXWPUD	CH-2537TXWPEU	CH-2538TXWPKD	CH-2538TXPLWPKD
HD Video & Audio	✓	✓	✓	✓	✓
IR/RS-232 pass-through	–	–	–	–	–
LAN pass-through	–	✓	✓	✓	–
Send power to Receiver	–	–	–	–	–
Accept power from Receiver	✓	✓	✓	✓	✓
Send power to Transmitter	–	–	–	–	–
Accept power from Transmitter	–	–	–	–	–
Cat.5e/6 Cable Length	100m@1080p 70m@4K	100m@1080p 70m@4K	100m@1080p 70m@4K	100m@1080p 70m@4K	70m@1080p 35m@4K

HDMI & VGA A/V,
ETHERNET & POWER

OVER A SINGLE
CAT. CABLE

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