

SWITCHER - ALF-TPHD405PT-WPB

Scaler Wall Plate HDBaseT Transmitter



DESCRIPTION

ALF-TPHD405PT-WPB is a transmitter that installs in a double-gang wall box to provide a convenient interface for HDMI/ VGA input sources. It has 1 HDMI IN, 1 VGA IN and 1 HDBaseT OUT with PoC. It supports VGA with full HD scaler, and HDMI 1.4 with 4K & 3D, input signals support auto-switching and manual-switching. The HDBaseT output supports 60m UHD video transmission with PoC, enables bi-directional RS232 communication between ALF-TPHD405PT-WPB and remote device.

With its PoC solution, ALF-TPHD405PT-WPB can be energized by far-end PoC receiver.

FEATURES

- Selectable HDMI/VGA with audio input
- Support VGA output resolution up to 1920x1200
- High bandwidth: 10.2Gbps
- In-built scaler function, support scaling HDMI/VGA signals to match the native resolution of the display.
- Transmit HDMI signals up to 4K
- Compliant with HDMI 1.4, Support 1080p 3D
- HDCP compliance, equipped with HDCP auto-tracking solution
- Provides auto-switching capability
- Support multiple control methods including front panel buttons, and RS232, support bi-directional RS232 pass-through control.
- Supports firmware upgrading via USB
- Energize Programmable Control Panel with a DC 12V power output.
- Power by local power pack of PoC connection up to 60m
- Aluminium design for elegant and better cooling.

TECHNICAL SPECIFICATIONS

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Video

Input	: 1 HDMI, 1 VGA
Input connector	: 1 19-pin Type A HDMI female, 1 15-pin VGA
Output	: 1 HDBaseT
Output connector	: 1 RJ45
Transmission mode	: HDBaseT

Audio

Input	: 1 synchronous VGA audio
Input connector	: 1 3.5mm stereo jack
Frequency Response	: 20Hz ~ 20KHz
Impedance	: >10Ω
SNR	: >85db@20Hz~20KHz

Control Parts

Control Ports	: 1 3-pin RS232 socket on front panel, 1 3-pin RS232 socket rear panel, (share the ground pole with 12V OUT)
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General

Resolution	: VGA 800x600, 1024x768, 1280x800,1280x1024, 1440x900,1600x1200, 1920x1080, 1920x1200; HDMI 4Kx2K, 1080p 3D, 1080P (HD)/1080i/720P/576P/576i/480P/480i
Transmission Distance	: 1080P ≤ 60m (PoC); 4K x 2K ≤ 40m (PoC)
Bandwidth	: 10.2Gps
HDMI Standard	: Support HDMI 1.4 and HDCP
Chassis Dimension	: Decora Style two gang
Power Supply	: DC 12V 2A; 9.6W
Temperature	: -10 ~ +40°C
Reference Humidity	: 10% ~ 90%
Dimension (W*H*D)	: 104.5 x 89 x 44mm
Weight	: 0.29 Kg

SYSTEM DESIGN

