



ARCHITECTURAL AND ENGINEERING SPECIFICATION

PRODUCT: WP-UMX-TPS-TX130-PLUS-US BLACK

FUNCTIONAL OVERVIEW

WP-UMX-TPS-TX130-Plus-US Black is a wall-plate TPS/HDBaseT transmitter designed to extend analog and digital video and audio over a single CATx cable. It accepts VGA, HDMI, and DisplayPort sources, supports HDCP-encrypted content, and converts analog signals to digital for transmission. Audio can be embedded/de-embedded to support multiple A/V combinations. The unit provides EDID emulation/management and transports control signals (Ethernet, RS-232, IR) through the TPS link. Powering is via PoE over TPS or 48V DC input.

VIDEO INPUT AND OUTPUT

- HDMI input
 - Connector type: 19-pole HDMI Type A receptacle
 - A/V standard: DVI 1.0, HDMI 1.4
 - HDCP compliance: HDCP 1.4
 - Color space: RGB, YCbCr
 - Video delay: 0 frame
 - Supported resolutions at 8 bits/color: up to 4096x2160@30Hz (4:4:4) or 4096x2160@60Hz (4:2:0); up to 3840x2160@30Hz (4:4:4) or 3840x2160@60Hz (4:2:0); 1920x1080@60Hz (4:4:4) up to 12 bits/color
 - Reclocking: Pixel Accurate Reclocking
 - 3D support: yes
- DisplayPort input
 - Connector type: 20-pole DisplayPort receptacle
 - A/V standard: DP 1.1a
 - HDCP compliance: HDCP 1.4
 - Color space: RGB, YCbCr
 - Video delay: 0 frame
 - Supported resolutions at 8 bits/color: up to 4096x2400@30Hz; up to 2560x1600@60Hz; 1920x1080@120Hz
 - 3D support: yes

- **VGA input**
 - Connector type: DE-15F (15-pole D-sub Female)
 - Supported video signal: Analog RGB and YPbPr video
 - Color depth: up to 24 bits, 8 bit/color
 - Max. data rate: up to 170 MHz video and graphics digitizer
 - Max. resolution: up to 1600x1200@60 Hz
- **TPS output**
 - Connector type: RJ45 connector
 - Compliance: HDBaseT
 - Power over Ethernet (PoE): yes (IEEE 802.3af)
 - HDCP compliance: HDCP 1.4
 - Transferred signals: Video, Audio, RS-232, Infrared, Ethernet
 - Color space: RGB, YCbCr
 - Video delay: 0 frame
 - Supported resolutions at 8 bits/color: up to 4096x2160@30Hz (4:4:4) or 4096x2160@60Hz (4:2:0); up to 3840x2160@30Hz (4:4:4) or 3840x2160@60Hz (4:2:0); 1920x1080@60Hz (4:4:4) up to 12 bits/color
- **EDID management**
 - EDID emulation: yes, advanced EDID management
 - EDID memory: 120 factory presets, 15 programmable

AUDIO CAPABILITIES

- **Analog audio input**
 - Connector type: 3.5 mm Jack connector (asymmetric analog audio input)
 - Audio format: 2-ch PCM
 - Sampling frequency: 48 kHz
- **HDMI input audio formats: 8 channel PCM; Dolby TrueHD; DTS-HD Master Audio 7.1**
- **DisplayPort input audio formats: 8 channel PCM**
- **TPS output audio formats: 8 channel PCM; Dolby TrueHD; DTS-HD Master Audio 7.1**
- **Audio source selection: Audio Select button for switching between audio sources (analog audio / embedded digital audio)**

POWERING

- Power over Ethernet (PoE) via TPS output (IEEE 802.3af)
- 48V DC input (rear panel)
 - Power remotely by a PoE-compatible power injector (TPS-PI-1P1)
 - If powered by a local adaptor (PSU-48VP1), connect to the 2-pole Phoenix connector on the rear of the wall plate
- Power supply option: Power adaptor / PoE
- Power adaptor: not supplied; 48V DC, 1A; DC power plug: Phoenix® Combicon (2-pole)
- Power consumption (min / max): 6.4 W / 10.9 W

CONTROL

- Ethernet (front panel)
 - Locking RJ-45 connector for configuring using Lightware Device Controller (LDC) or updating using Lightware Device Updater (LDU)
 - Any third-party control system can use this port to control the device
 - Ethernet data rate: 10/100Base-T, full duplex with autodetect
- RS-232 (rear panel)
 - Connector type: 3-pole Phoenix connector
- Infrared (IR)
 - Built-in IR detector on the front panel (IR input sensor) for receiving IR signals
- Front panel buttons
 - Video Select button (VGA / HDMI / Autoselect order)
 - Audio Select button (Analog audio / Embedded digital audio order)
 - Show Me button (special functions incl. condition launching in Event Manager)
 - Reset button
- Event Manager capacity
 - Number of Events in Event Manager: 20
- Advanced Control Pack
 - Event Manager: Number of Events in Event Manager: 100
 - Event Manager upgraded functions (Advanced Control pack v3): AND operator for Event Manager Conditions; Condition triggering for Event Manager; Variable handling for Event Manager

- TCP/IP control enhancements (Advanced Control pack v3): Permanent TCP clients with configurable target IP address; Message recognizer for TCP clients
- HTTP control (Advanced Control pack v3): LW3 command-salvo over Http POST (protocol.lw3); Http message sending with sendHttpPost and sendHttpPut (target server IP, target filepath, header, body)
- IT security functions (Advanced Control pack v3): cleartext login function (disabled by default); MAC filtering; IP port and services filtering
- Automation (Advanced Control pack v3): Macro capability (running partial device preset with tags); Wake On LAN packet sending
- CEC enhancement (Advanced Control pack v3): CEC control button sendClick
- Advanced Control Pack features: Consumer Electronics Control Infra Code Sending; RS-232 Recognizer; Basic IT Security; Batch Commands; Event Manager +; TCP Recognizer

GENERAL

- Dimensions: 115.9W x 67.5D x 114.3H mm (4.56 W x 2.65 D x 4.5 H inch)
- Weight: 457 g
- Front plate (pre-installed):
 - WP-UMX-TPS Front Plate
 - Color: Black
- Mounting options
 - Designed to be placed into a wall, furniture, or a floorbox
 - Can be mounted into an industrial standard switch/outlet box (B225R)
- LVD compatibility: Electrical safety standard EN 62368-1:2020 (CE, UKCA compliance listed)
- Supplied accessories
 - Phoenix Combicon 3-pole connector
 - Safety and Warranty Info
 - Quick Start Guide
- Warranty period: 3 years
- Cooling: Passive
- Packaging: product has a full paper / green packaging



DOCUMENT REVISION HISTORY

Document	Release Date	Changes	Checked by
v1	2026-08-17	Initial version	Tamas Forgacs