



ARCHITECTURAL AND ENGINEERING SPECIFICATION

PRODUCT: WP-UMX-TPS-TX120-US BLACK

FUNCTIONAL OVERVIEW

WP-UMX-TPS-TX120-US Black is a wall-plate TPS/HDBaseT transmitter for extending HDMI and VGA video plus analog or embedded audio over a single CATx link. HDCP-encrypted video is supported; analog video/audio signals are converted to digital for transport. The unit provides EDID emulation/management, and extends control signals alongside AV. It offers Ethernet configuration/control, RS-232 pass-through/control, and built-in IR reception. Powering is supported via PoE over the TPS link or via a 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
- 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 (front panel)
 - Connector type: 3.5 mm Jack (asymmetric analog audio input)
 - Audio format: 2-ch PCM
 - Sampling frequency: 48 kHz
- Audio over TPS output
 - Audio formats: 8 channel PCM; Dolby TrueHD; DTS-HD Master Audio 7.1
- Audio source selection
 - Selectable between analog audio input and embedded digital audio from HDMI

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

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