MX-TPS2-OB-P, -AP, -SP

visual engineering
LIGHTWARE

TPS Output Board with PoE Option

HDBT™

new!

MX-TPS2-OB-P

MX-TPS2-OB-AP

MX-TPS2-OB-SP

Part No: 9112 0042 (P), 9112 0043 (AP), 9112 0044 (SP)

MX-TPS2-OB-P the 8 channel twisted pair output board provides HDMI 1.4, audio, Ethernet and RS-232 transmission on a single CAT5/6/7 cable up to 100m in HDBaseT™ and 170m distance in Long reach mode (maximal resolution is Full HD 1080p in Long reach mode). Resolutions up to 4K and 48-bit color depth are handled with all standard audio formats as well as 120Hz 3D signals. The board offers bi-directional RS-232 and Ethernet transmission (each board has a 10/100 uplink connector for the Ethernet network connection) and remote powering option for the TPS extenders available with the PoE add-on. The built-in PoE injector function requires the supplied PSU-48vp external power source to be connected directly to the board. The output board is available with audio add-ons: digital S/PDIF or analog stereo connectors are available for advanced audio functions (HDMI embedded audio signals are managed by the board).

The MX-TPS2-OB-P without the digital or analog audio option also handles HDMI embedded audio. The board is compatible with deep color, Dolby TrueHD and DTS-HD audio and features PCM audio sample rate conversion. Advanced professional functions such as HDCP enable/disable mode, Pixel Accurate Reclocking, Advanced EDID Management and Frame Detector are integrated providing professional set-up and operation.

Features
- HDMI extension supporting 3D and 4K
- Accepts HDMI + Ethernet + RS-232 over one CAT5/6/7 cable up to
- 170m distance
- HDMI 1.4; DVI and HDCP compliant
- 4K / UHD (30Hz RGB 4:4:4, 60Hz YCbCr 4:2:0), UHD, 2560 x 1600,
- HD video resolutions and all 3D formats are supported
- 10/100 Ethernet transmission
- Supports all HDMI audio formats
- Digital or analog audio add-on option
- Adjustable analog audio settings
- Integrated PoE power injection option for TPS extenders

MX-TPS2-OB-AP
- Bi-directional configurable analog stereo port with 5-pole Phoenix
- connector
- Stereo PCM audio up to 96 kHz can be de-embedded from the
- HDMI signals
- Digitalized audio (PCM 48 kHz) can be embedded (or replaced) to
- the HDMI signal
- Volume, gain control
- PoE compatible
- 48V remote powering
- Remote powering on/off switching
- Status feedback

MX-TPS2-OB-SP
- S/PDIF breakout for every port
- Bi-directional configurable S/PDIF connectors:
    audio can be de-embedded from the HDMI signals or
    audio can be embedded (or replaced) to the HDMI signal
- PoE compatible
- 48V remote powering
- Remote powering on/off switching
- Status feedback

Supplied Accessory for the PoE Function:

PSU-48VP2-220 (Part No: 9134 0015)
Power supply for PoE 48V remote powering function.
Universal input: 100-240 V AC, 50-60 Hz. Output: 48 V DC, 5.84 A.