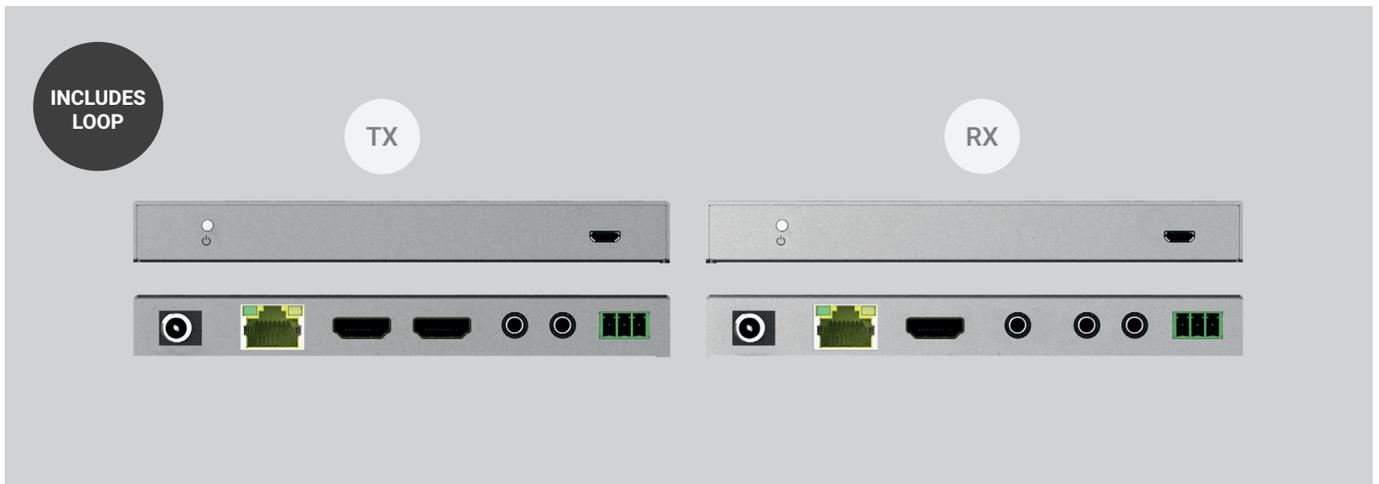# XTND 4K (100) with TPC

Product code: XTND4K100TPC2

2.50.887

A long-range super-slim and ultra-lightweight HDMI 2.0 / HDBaseT 2.0 extender set - supports 18Gbps premium UHD/4K 60Hz 4:4:4 data rates, with all current HDR formats inc. Dolby Vision®, HDR10 and HLG up to 100 metres, over one twisted pair Cat cable.

A de-embed stereo audio ouput port is available on the RX for as a helpful connection option for amplifiers or sounbars etc.
Control via two-way IR or RS232 available on the receiver.

Tipping Point Compression w/DSC enables the transmission of 18Gbps content via HDBaseT 2.0 technology, with no human-perceivable difference in video quality. TPC can handle all HDR formats, including Dolby Vision, retaining all original HDR Meta and is compatible with all chroma subsampling and colour space options (4:4:4, 4:2:2, and 4:2:0).

Features

HDMI® 2.0 (a/b) HDCP 2.2 compliant
18Gbps data rate throughout (up to 100m)
HDMI 2.0 (Native 18G) loop port on TX
Supports all resolutions up to and inc. Ultra HD 4K 60 4:4:4
Supports all current High Dynamic Range (HDR) formats inc. Dolby Vision®
Supports all current audio formats up to Dolby Atmos® and DTS:X®
Stereo audio de-embed port on the RX
Bi-directional PoH - can be powered from either RX or TX.
Sold as a complete install package, with all IR cabling and mounting kit included.
UK / EU / AU / US multi-territory adapters included

Specification

TX / RX form factor	Lightweight, super-slim aluminium enclosure
Inputs / outputs	**TX** HDMI in / HDMI loop out / RJ45 HDBaseT out / RS232 / 2x IR 3.5mm jack (in = to RX / out = from RX) **RX** RJ45 HDBaseT in / HDMI out / RS232 / 2x IR 3.5mm jack (in = to TX / out = from TX) / 1x 3.5mm stereo jack
Transmission tech.	HDBaseT 2.0 + TPC w/DSC
Video bandwidth	594MHz clock / 18Gbps data
ESD protection	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Control	Bi-directional IR, RS232, HDMI-CEC pass through.
Device / Package weight	125 / 1100 g
Dimensions (W/D/H)	127 / 110 / 17 mm (TX and RX)
Power	24V/1A DC screw type connector
Operating temperature	32°F to 104°F (0°C to 40°C)
Storage temperature	-4°F to 140°F (-20°C to 60°C)
Relative humidity	20~90 % RH (non-condensing)
Power consumption	9.36W (max)
Guarantee	2 year guarantee

Control

Backwards IR
Send infrared (IR) commands from the display location back to the XTND TX to control the HDMI devices connected.

Forwards IR
Send infrared (IR) commands from the XTND TX to the display location for control of displays and soundbars.

2-Way RS232
2-way RS232 commands via XTND TX/RX for use with third-party control systems / devices.