

PT-HDBT-1021KVM-TX

2x1 18Gbps Extender Switch



Features

- ▶ HDMI 2.0 18Gbps (4K@60Hz 4:4:4) over HDBaseT with video and data transmission up to 40m and 70m 4K@30Hz
- ▶ UFP - USB-C + Power Injection + HDMI/USB-B; DFP - 2x local USB 3.2 Gen1 (5Gbps)
- ▶ Compatible with the 1020 series or any 3rd party HDBaseT 3.0 receiver
- ▶ HDMI loop-out, stereo in/balanced audio output 24V PoC and PoC on/off
- ▶ GUI control, RS232 & TCP/IP control, button control & auto switch

Technical Data

PT-HDBT-1021KVM-TX

Input / Output

Input	1x HDMI 1x USB-C 1x L/R IN (3.5mm Jack)
Output	1x HDBT (RJ45) 1x HDMI 1x balanced audio (5-pin Phoenix) 1x L/R OUT (3.5mm Jack)

Control

Control Ports	2x USB 3.2 Gen1 (USB-A) 1x USB 3.2 Gen1 (Type-B) 1x Power Inject (USB-C) 1x RS232 (3-pin Phoenix) 1x IR IN (3.5mm Jack) 1x IR OUT (3.5mm Jack) 1x TCP/IP (RJ45)
Control	1x 5-pin DIP switch (EDID) 1x 2-pin DIP switch (HDCP and CEC)

Technical Data

Max. Resolution	4K 60Hz (4:4:4)
Bandwidth	18Gbps
HDMI Standard	HDMI 2.0 / HDCP1.4/2.2
HDCP Version	Input: HDCP 2.2, HDCP 1.4 compliant (HDCP management options)
HDMI 2.0 Cable Length	4K 60Hz 4:4:4 ≤ 5m, 4K 30Hz 4:4:4 ≤ 10m, 1080P ≤ 15m
Transmission Standard	HDBaseT 3.0
Transmission Distance	4K 60Hz 4:4:4 ≤ 40m; 4K 30Hz 4:4:4 ≤ 70m, 1080p 60Hz 4:4:4 ≤ 70m
Frequency Response	20Hz ~ 20KHz, ±3dB
Max Output Level	2.0Vrms ± 0.5dB, 2V = 16dB headroom above -10dBV (316mV) nominal consumer line level signal
THD+N	< 0.05% (-80dB), 20Hz-20KHz bandwidth, 1kHz sine at 0dBFS level (or max level)
SNR	> 80dB, 20Hz-20kHz bandwidth
Crosstalk Isolation	-70dB, 1kHz sine at 0dBFS level (or max level before clipping)
L-R Level Deviation	< 0.3dB, 1kHz sine at 0dBFS level (or max level before clipping)
Frequency Response Deviation	20Hz - 20kHz, ±3dB
Output Load Capability	1KΩ and higher (supports 10x paralleled 10KΩ loads)
Stereo Channel Separation	>70dB@1KHz

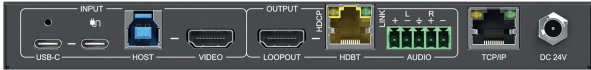
General

Product Dimensions	190 x 21.7 x 130mm
Product Weight	520g
Housing Material	Steel
Colour	Black
DIP Switch	"PoC on off" and "RS232 mode"
Operation Temperature	-5 to +55°C
Storage Temperature	-25 to +70°C
Relative Humidity	10% ~ 90%
Power Supply	DC 24V 1.5A
Power Consumption	28W (max.)
PoC	Bi-directional 24V

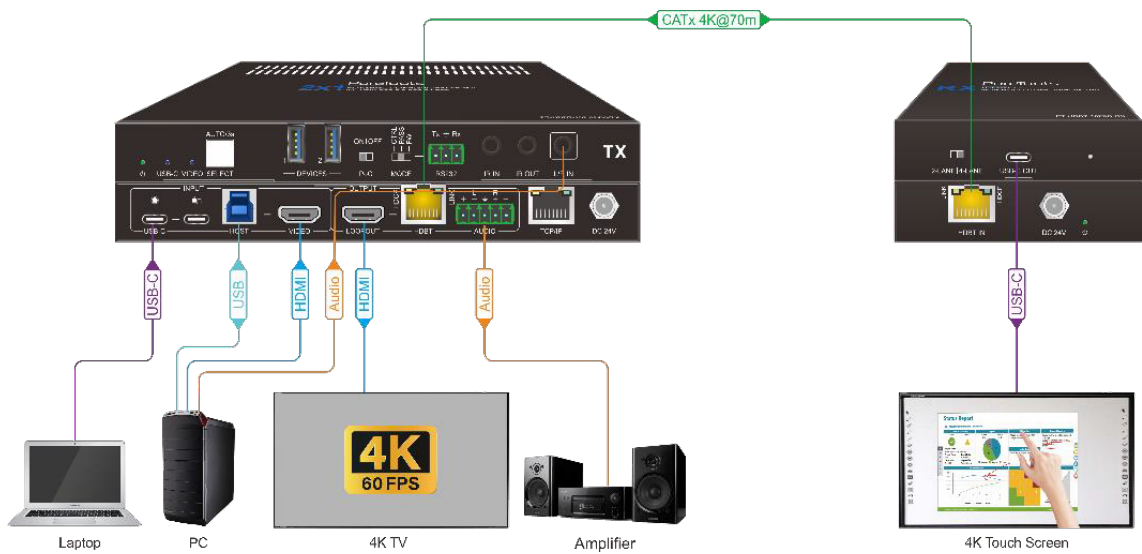
Technical Data
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FRONT



BACK



Set includes

Art.-No.	EAN
PT-HDBT-1021KVM-TX	4251364750667

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