TAP-AV-1003

4K MULTI INPUT CONVERTER

with 60M EXTENDER

User Manual

Introduction

aegis 4 inputs to HDMI Converter Box allows 4 different sources, VGA+3.5mm audio, mini DisplayPort & HDMI signal & USB-C input convert to TX-RJ45 link to RX. This converter box is very convenient for user to have different audio/video devices to connect to TV/Monitor with HDMI local output and HDMI extender (Max distance up to 60M).

This model has source auto-detect function, therefore the user can switch input sources without pressing the button. The HDMI output support resolution up to 4K2K@60Hz. It also support Ethernet pass through function.

Features

- Allow 4 different source, VGA+3.5mm audio, mini DisplayPort, HDMI input and USB-C convert to HDMI via Cat6 cable connect to the extender.
- Support distance up to 60M.
- User is able to charge their devices through USB-A and USB-C(5V2A)
- Support Ethernet by-pass function.
- Input source auto-detect function
- 110V-240V Power Socket (Pass through)
- Resolution is up to 4K2K@60Hz.
- LED light indication with touch panel.
- One HDMI Local out

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Specification

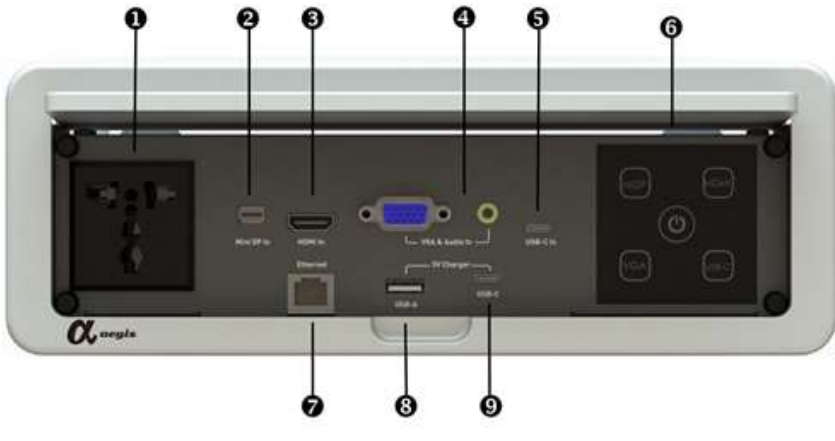| Model No.	TAP-AV-1003
Model name	4K Multi Input Converter Box with 60M Extender
TAP-AV-1003 Input	HDMI,M/DP,VGA+3.5mm, TYPE-C
TAP-AV-1003 output	RJ45, HDMI(Local Out)
Receiver-Video Input	RJ45
Receiver-Video Output	HDMI
HDMI resolution	480P/720P/1080P@24Hz/30Hz/50Hz/60Hz, up to 4K@60Hz Supports1080P@120Hz,/3D.
HDMI Audio format	Dolby True HD/DTS HD/Dolby Atoms/ Dolby Digital 5.1 / Dolby Digital Plus/ DTS 5.1/LPCM
HDMI Max bandwidth	297MHz
HDMI Max baud rate	6Gbps
HDR Support	YES
Transmission delay	<3ms
Output cable length	4K/AWG 30 ≤2m
Transmission distance	4K /Cat-6@60M
Power adapter Specification	AC 100~240V / DC24V 1.5A
Max operation current	TAP-AV-1003 ≤0.91mA@24V

Operation temperature range	-5 ~ +40℃
Operation humidity range	5 to 85%RH（No Condensation）
Storage temperature	-15 to 55℃
Storage humidity	5 ~95%RH(No Condensation)
Size	Transmitter: 269 x 95.5 x 95.4mm / Receiver: 110 x 55 x 24mm
Weight	Transmitter≈1258g / Receiver≈110g
Accessories	Manual x1, Power Adaptor x1, TAP-AV-1003,TAP-AV-1003-RX

CONNECTION DIAGRAM

	Power
	Mini DisplayPort
	HDMI
	VGA & Audio
	USB 3.1C
	CAT-6

PANEL INTRODUATION

Front Panel

1.   110V – 240V Power Socket

Universal Power Socket for supplying power to user's device.

2.   Mini DP Input

   Connect mini DP between user's source devices.

3.   HDMI Input

Connect HDMI cable between this port and user's source device.

4.   VGA+3.5mm with Audio Input

Connect VGA & 3.5mm Audio cable between this port and user source device.

(Max. resolution 1080p)

5.   USB-C Input

Connect Type-C cable between this port and user sources device.

6.   LED Touch Panel

User may switch input sources by manually touch desired input.

Green LED light will indicate current selected input.

Power ON – Green LED indication

Power OFF – Red LED indication

7.   Ethernet Input

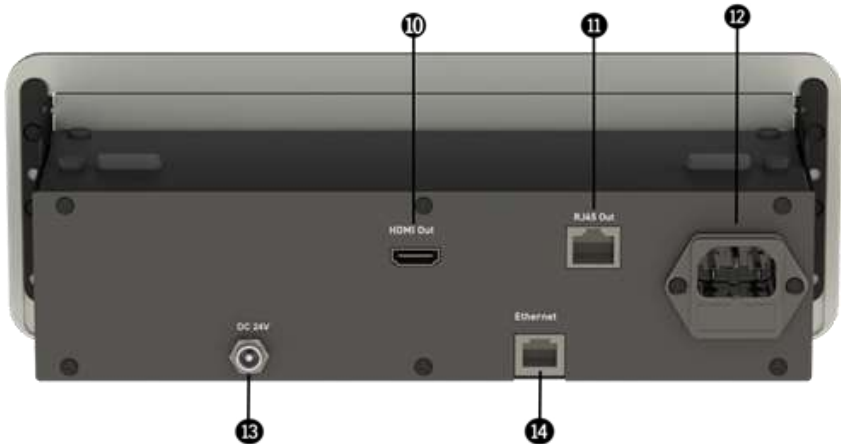Connect LAN cable between this port and PC or Laptop of RJ45 port.

8.   USB-A Charger

Connect USB-A cable to this port. This port is for charging only. 5V2A

9.   USB-C Charger

Connect USB Type-C cable to this port. This port is for charging only.5V2A

Rear Panel

10. HDMI Local Out

TAP-AV-1003 supports one HDMI local output for monitoring.

11. RJ45 Out for Extension

Connect RJ45 to Extender 60M with Cat6 cable.

12. Power Socket

Connect to local power with power cord.

13. Power Input

Connect 24V DC power supply to this port
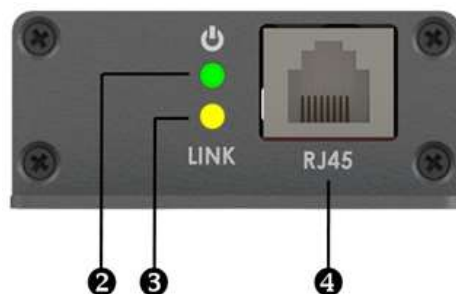
14. Ethernet

Connect this port with LAN cable to a Router, Wifi or Internet access port.

Front Panel

1.   **HDMI OUT:** Connect HDMI cable to user's monitor or output device..

Rear Panel

2.   Power LED:

LED Green indicates the power is ON

3.   LINK:

LED Orange blinks indicate Rx is linked with TAP-AV-1003

LED Orange always on indicates HDMI is sync with input source.

4.   RJ45 Input:

Connect Cat6 cable between this port and TAP-AV-1003 RJ45 output port.

Resolution Specifications

HDMI input / TPYE-C input / Mini DP input	VGA input
3840 x 2160	1920 x 1080
2560 x 1600	1600 x 1200
2560 x 1440	1600 x 900
1920 x 1200	1280 x 720
1920 x 1080	1024 x 768
1600 x 1200	800 x 600
1600 x 900	
1280 x 720	
1024 x 768	
800 x 600	