Type-C to HDMI/USB-Ax2/3.5mm Audio/Type-C Data or PD Charging Adapter for iPad Pro with DP1.4 Alt mode

User Manual

Contents

DEAR CUSTOMER

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or using this product. Please keep this manual for future reference.

1.0 INTRODUCTION

This is a 5-in-1 Type-C hub with HDMI, USB-Ax2, 3.5mm audio and Type-C data or PD charging, of which the ID design perfectly suits for Apple Ipad Pro. This hub adopts the latest DP1.4 Alt mode supported IC, enabling to output HDMI video with max 4k/60Hz and at the meanwhile transfer USB 3.1 Gen 1 data with max 5Gbps. Besides, the Type-C female supports PD 3.0 with max 100W PD Charging when connecting a PD Adapter and supports max 5Gbps data transmission when connecting a Type-C device.This hub can work on all Type-C and Thunderbolt™3 host that supports DP Alt mode(including DP1.2 and DP1.4 Alt mode).When working on Thunderbolt ™ 3 host, this product transmits DP signal.

2.0 FEATURES

Upstream:

- Type-C Malex1(Connect to host)

➢ Support DP1.4 Alt mode, with bandwidth max 2 lanes 16.2Gbps (8.1Gbps per lane),downward compatible with DP1.2 Alt mode

Note: To get max bandwidth, the host should support standard DP1.4 Alt mode with DSC3:1 and HBR3

Downstream:

- **HDMI Femalex1**

➢ Support HDMI max 4K/60Hz, 4:4:4, 8bit with 18Gbps Bandwidth

➢ Support 6/8/10/12 bit color depth output

➢ Support output pixel format RGB4:4:4/YCbCr4:4:4/YCbCr4:2:2

➢ Support HDCP 2.2&HDCP1.4

➢ Support HDR

Note: When connecting a DP1.4 Alt mode supported host, the max resolution of HDMI is 4k/60Hz; When connecting a DP1.2 Alt mode supported host, the max resolution of HDMI is 4k/30Hz due to bandwidth limitation

- **USB-AX2**
- 1 USB-A port supports BC 1.2 with max [7.5W(5V@1.5A)](#) downstream charging, 2 USB-A share max 9W (5V/1.8A) downstream charging.
- Max 5Gbps bandwidth

Note: It's not suggested to charge for phone or connect to heavy load USB devices through BC1.2 port of this product. Since max output of iPad is 1.5A, if connected for phone charging or to heavy load USB devices plus other power consumption, it may cause overload protection.

When two USB ports output more than 1A totally, it's suggested to connect a PD adapter to supply enough power.

- **3.5mm combo audioX1**
- Support 48K/44.1KHz sampling rate
- Audio output

Note: Audio can be output from HDMI or 3.5mm audio port, below explanation illustrates the priority of audio output when both HDMI and 3.5mm audio ports are connected.

1) When Ipad pro is connected to this product prior to devices, audio outputs from the port that is connected at last.

2) When devices are connected prior to Ipad pro, audio outputs from 3.5mm audio port

- **Type-C Femalex1(for PD Charging&Data)**

When connecting a PD Adapter：

- Support PD Charging 100W (20V/5A)
- Support Fast Role Swap of PD 3.0, the connected device will not get disconnected while plugging in and out PD Adapter
- 8W is dedicated to the functioning of this product, the rest power (max 92W) will be passed to charge for the host

When connecting a Type-C device：

- Max 5Gbps data transfer
- Max 7.5W(5V/1.5A) downstream charging
- Share max 7.5W downstream charging with USB-A port

3.0 SPECIFICATIONS

Connector	
Upstream	Type-C Malex1
Downstream	HDMIx1 USB-Ax2 3.5mm combo audiox1 Type-C Femalex1 (Data or PD Charging)
Physical Parameter	
Size	88.4*32.4*8.2mm
Weight	43g
Environmental	
Operating Temperature	0 ℃ to +45℃
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10℃ to +70℃
Storage Humidity	5% to 90 % RH (no condensation)
Certifications	FCC,CE
Power Requirement	
Power Source	USB Bus Power or PD power adapter(Up to 100 W)
Accessories Adapter	
User Manual	English Version

4.0 PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:
- Main unit x1
- User Manual x1

5.0 CONNECTION DIAGRAM

Type-C Device OR Type-C PD Adapter

HDMI (4K/60Hz)

USB Devices

Ipad Pro