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MX MDR Type-C to HDMI-USB-Ax3-Type-C PD Charging with DP1.4 Alt mode User Manual

Contents

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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.

INTRODUCTION

This is a Type-C 5-in-1 hub with HDMI, 3 USB-A and Type-C female port, providing an ideal solution for extending the port of Type-C/Thunderbolt 3 host (PC/Laptop/Mobile phone,etc.),especially for those host with a single Type-C port. 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 data with max 5Gbps. 3 USB-A ports allow you to connect 3 USB devices simultaneously. Besides, the Type-C female supports PD 3.0 with max 100W PD Charging. It can work on all Type-C and ThunderboltTM3 host that supports DP Alt mode(including DP1.2 and DP1.4 Alt mode).When working on Thunderbolt TM 3 host, this product transmits DP signal.

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

- 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-A 3.0X3

- 1 USB-A port next to HDMI port) supports BC 1.2 with max 7.5W(5V@1.5A) downstream charging, 3 USB-A share max 8W (5V/1.6A) downstream charging.
- Max 5Gbps bandwidth
- Type-C Femalex1(for PD Charging)
- 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

SPECIFICATIONS

Input/Output Connector	
Input	Type-C Male x1
Output	HDMI Female x1 USB-A Femalex3 Type-C femalex1 PD Charging)
Warranty	
Limited Warranty	1 Year
Environmental	
Operating Temperature	0℃ to +45℃
Operating Humidity	10% to 90 % RH (no condensation)
Storage Temperature	-10℃ to +70℃
Storage Humidity	10% to 90 % RH (no condensation)
Electronic Parameter	
Input Voltage	5V
Power Consumption	Max 2W
Power Supply	
USB-C PD Charging Port	100W(20V/5A)
Regulatory Approvals	
Certifications	FCC,CE
Accessory Adapter	
User Manual	English Version

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

CONNECTION DIAGRAM

HDMI Display
4K@30Hz

USB Devices

Type-C
PD Adapter

Thunderbolt3/Type-C Host PC

Documents / Resources

Type-C to HDMI/USB-Ax3/Type-C PD Charging with DP1.4 Alt mode User Manual	**MX MDR Type-C to HDMI-USB-Ax3-Type-C PD Charging with DP1.4 Alt mode** [pdf] User Manual Type-C to HDMI-USB-Ax3-Type-C PD Charging with DP1.4 Alt mode, Type-C to HDMI-USB-Ax3-Type-C PD Charging, HDMI-USB-Ax3-Type-C PD Charging, PD Charging