

MP-UCUH2-KVM

Ultra 5K 40Gbps USB-C Docking Station w/100W Charging



PRODUCT OVERVIEW

The MP-UCUH2-KVM is a USB4 40Gbps switcher docking station with 100W charging. It supports a single 5K@60Hz (5120×2880) UHD display or dual 4K@60Hz display outputs. The USB-C host connection supports PD 3.0 100W charging, while the downstream USB-C device port provides 15W power for peripherals. The dock also provides a four-port USB hub and Gigabit Ethernet network passthrough.

KEY FEATURES

- Single 5K@60Hz (5120×2880) UHD or dual 4K@60Hz display outputs.
- 4-port USB hub: 3 × USB-A + 1 × USB-C.
- PD 3.0 100W charging for the USB-C host.
- 1 × Gigabit Ethernet network passthrough.
- USB power control with ON/AUTO selection for USB-A devices.
- USB-A ports support up to 10Gbps data rate.
- USB-C device port supports USB 10Gbps + DP 1.4, with 40Gbps total.
- Plug-and-play operation with no driver installation required.

TECHNICAL SPECIFICATIONS

Category	Parameter	Specification
Video Input	Input / Connector	DP Alt Mode, USB4 / 1 × USB-C
Video Input	Input Resolution	Up to 8K@30Hz
Video Output	Output / Connector	2 × HDMI / 2 × HDMI 2.0 Female
Video Output	Output Resolution	Output 1: 8K@30 / 5K@60Hz (5120×2880) UHD; or dual 4K@60Hz
Video Output	HDMI Standard	HDMI 2.1
Video Output	HDCP	HDCP 1.4 / 2.2 / 2.3 compatible
Audio	Formats	PCM 2.0, Dolby Atmos®, Dolby TrueHD, Dolby Digital® Plus
USB	3 × USB-A	USB 10Gbps
USB	1 × USB-C Device	USB 10Gbps + DP 1.4 (40Gbps total)
USB Power	USB-A Devices	DC 5V 3A shared across 3 × USB-A
USB Power	USB-C Device	15W
Charging	Host Charging	PD 3.0, up to 100W via USB-C host
Network	Ethernet	1 × RJ45, up to 1Gbps network passthrough

Category	Parameter	Specification
Power	Power Supply	DC 24V 6.5A adapter
General	Power Consumption	134W (Max)
General	Operating Temperature	−10°C to +55°C
General	Storage Temperature	−25°C to +70°C
General	Storage Humidity	10%–90%
General	Dimensions	155 × 22 × 100.5 mm (W × H × D)
General	Net Weight	415g

PANEL DESCRIPTION

Front Panel

No.	Name	Description
1	Power LED	Illuminates green when power is applied.
2	Charging LED	Illuminates blue when the USB-C input is charging.
3	Toggle Switch	ON: USB-A device power always on. AUTO: USB-A device power follows the host.
4	Devices	3 × USB-A ports for KVM devices, up to 10Gbps data rate; shared DC5V3A power.

Rear Panel

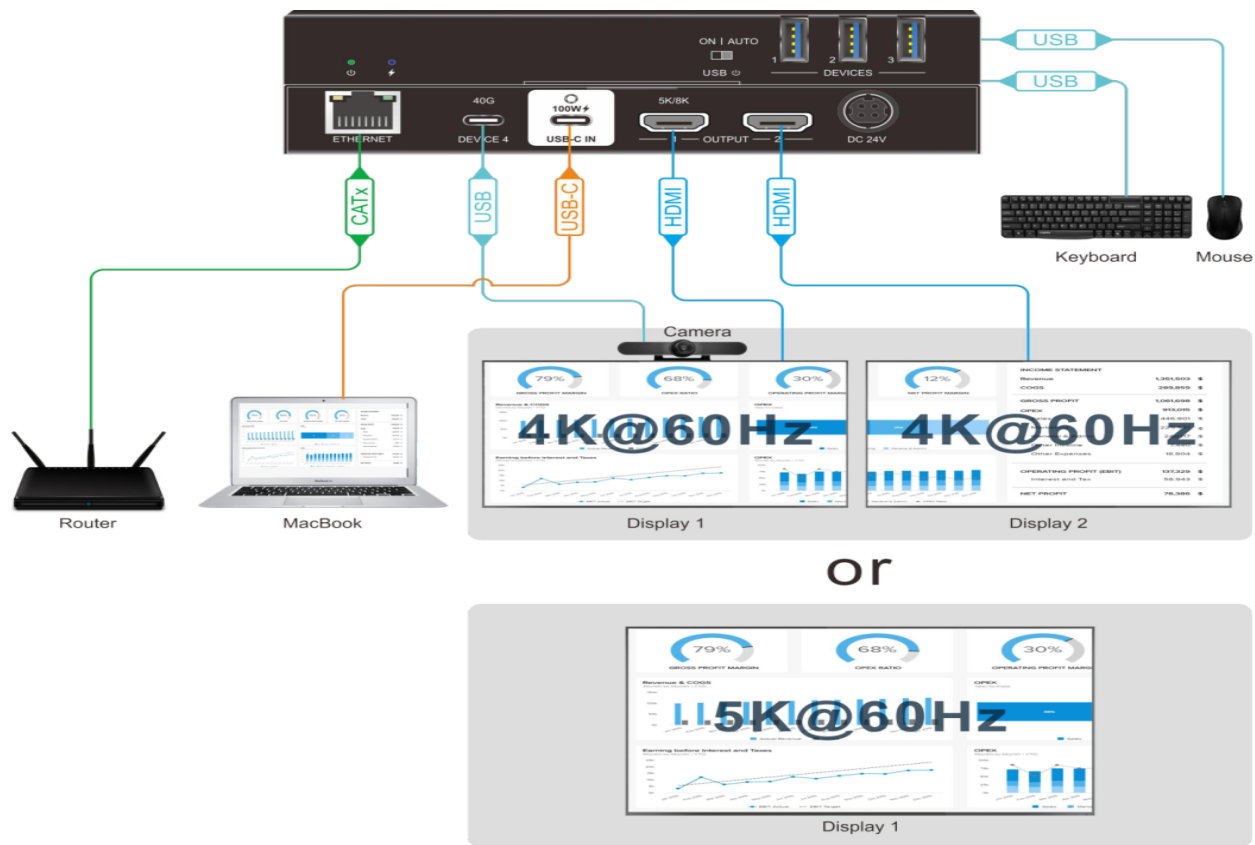
No.	Name	Description
1	ETHERNET	1 × RJ45 for network passthrough to USB-C IN; up to 1G network.
2	40G Device	1 × USB-C for device connection; USB 4.0 standard; provides 15W power.
3	USB-C IN	1 × USB-C 4.0 downstream port for host/laptop connection; supports PD 100W charging.
4	Output	2 × HDMI outputs; supports MST/SST extension. Output 1 supports single 5K/8K; both outputs support dual 4K.
5	DC24V	Power connector for the DC24V6.5A adapter.

DISPLAY OUTPUT MODES

Mode	Supported Display Configuration
Single Display	Up to 5K@60Hz (5120×2880) UHD; output 1 also supports 8K@30Hz.
Dual Display	Two displays up to 4K@60Hz, using HDMI outputs 1 and 2.
Extension	Supports MST/SST display extension.

SYSTEM CONNECTION

The system connection diagram on page 7 shows a MacBook/USB-C host connected to the docking station. The dock connects to a router through Gigabit Ethernet, to a camera through USB-C, to keyboard and mouse devices through USB, and to either dual 4K@60Hz displays or a single 5K@60Hz display through HDMI.



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PACKAGE CONTENTS

Item	Quantity / Description
Docking Station	1 × MP-UCUH2-KVM
Mounting Kit	1 × mounting kit
Rubber Feet	4 × rubber feet
Power Adapter	1 × DC24V6.5A power adapter
Manual	1 × User Manual

Version: MP-UCUH2-KVM_2024V1.0. The manual notes that the functions described in this version were updated by December 2, 2024.

Source: supplied MP-UCUH2-KVM User Manual. Product image and system connection diagram are reproduced from the supplied manual.