NewQ

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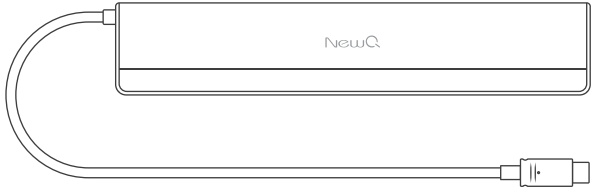
MADE IN CHINA

NewQ

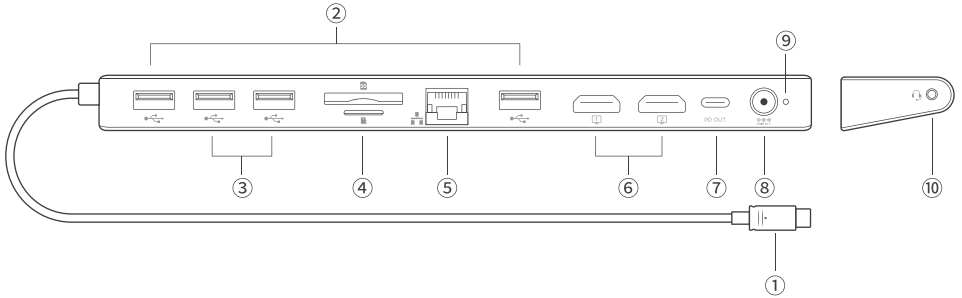


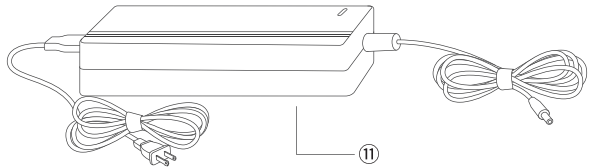
Model: NQ-DK-02
Docking Station
User Guide

Contents

Product Diagram 02
Package Contents 03
Operating Instructions 04
Functions 05
HDMI Display (Mac OS) 08
HDMI Display (Windows OS) 11
Caution 13

Product Diagram





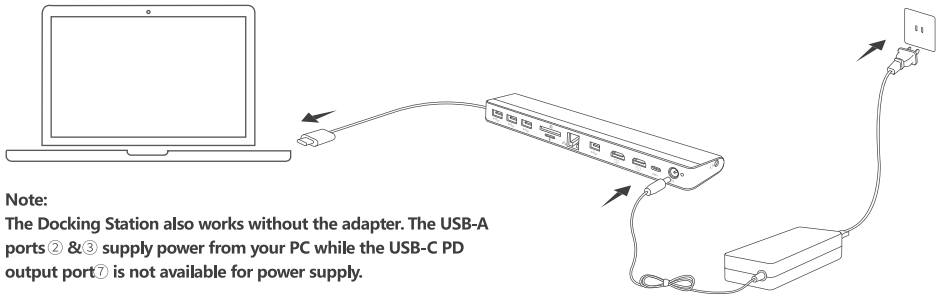
Package Contents

① USB-C Connector
② 2 x USB-A 2.0 Ports
③ 2 x USB-A 3.0 Ports
④ SD & TF Card Slot
⑤ RJ45 Gigabit Ethernet Port
⑥ 2 x HDMI 2.0 Ports
⑦ USB-C PD Output Port (Only for Charging)
⑧ DC Input
⑨ LED Indicator
⑩ 3.5mm Audio Port
⑪ Power Adapter with Convertible Connector

- 1 x Docking Station
- 1 x Power Adapter with Convertible Connector
- 1 x User Guide
- 2 x Cable Clips (cable manager)

Operating Instructions

1. Connect the adapter to the DC Input Port to power the docking station. The LED indicator will light up.
2. Connect the USB-C connector to your USB-C device for power supply and connectivity expansion.
3. Power off the station when not in use.



Note:
The Docking Station also works without the adapter. The USB-A ports② &③ supply power from your PC while the USB-C PD output port⑦ is not available for power supply.

Functions

Category	Interface	Connectivity	
Upstream Power Delivery	DC Input	- Use the original 20V ⎓ 4.8A 96W adapter to power the station. It won´t work without DC power	
Upstream Interface	USB-C Connector	- Support USB 3.1 Gen 1, PD 3.0 specifications - Up to 65W power supply for USB-C PD devices	
Downstream Data Transfer	2 x USB-A 3.0 Ports	- Support USB 3.2 Gen 1 specifications (Blue Chip) - Support BC 1.2 - Transmission speed: 5Gbps	Shared output: 5V ⎓ 1.8A
Downstream Data Transfer	2 x USB-A 2.0 Ports	- Support USB 2.0 specifications (Black Chip) - Support BC 1.2 - Transmission speed: 480Mbps	

Functions

Category	Interface	Connectivity
Downstream Data Transfer	RJ45 Gigabit Ethernet Port	- Support 10/100/1000 BASE-TX Auto MDI/MDI-X - Transfer rate: 1000Mbps
Downstream Data Transfer	SD & TF Card Slot	- Support SDHC/SDXC card up to 2TB capacity UHS-I - Read speed: 104 MB/S Max - Write speed: 50 MB/S Max
Downstream Power Delivery	USB-C Output	- USB-C Output: 18W 5V⎓2.4A, 9V⎓2A, 12V⎓1.5A - Support PD 3.0 specifications - Support QC 2.0 / 3.0, BC 1.2, MTK PE 1.1 / PE 2.0, FCP 1.0. AFC, Apple

Functions

Category	Interface	Connectivity
Display	2 x HDMI 2.0 Ports	- Connect to Monitor, TV or Projector - Support HDMI up to 1080p @ 120Hz or UHD 3840x2160 @ 60Hz - Support MST - Support simultaneous use of two HDMI Ports (Mirror Mode: support 4K 60Hz Max; Extend Mode: support 4K 30Hz Max)
AUDIO	3.5mm AUDIO JACK	- Support 48K Stereo Output & Mic Input

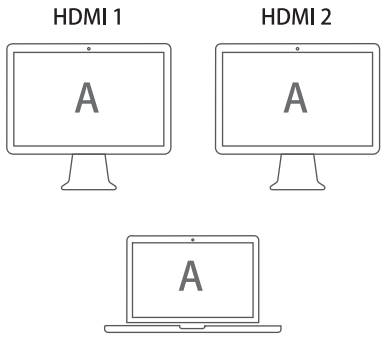
Note:
1. Connect the DC Input Port to the adapter first before using the docking station.
2. Driver is needed for OS older than Windows 7 and Mac OS 10.6
3. When PD Port (MAX 18W) is used, the DOCKING STATION supports 45W power for your computer.
4. When PD Port is not used, the DOCKING STATION supports 65W power for your computer.

HDMI Display (MAC OS)

1. PC & Monitor & Connecting Cable shall support 4K 30Hz or 4K 60Hz
2. PC USB-C Port shall support DP1.4 Standard

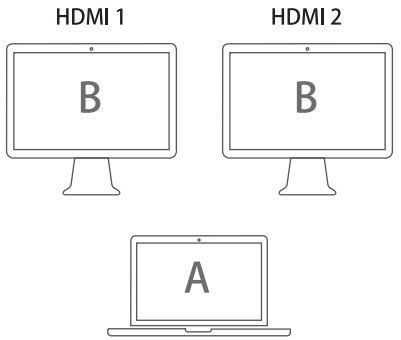
Mirror Mode

4K 60Hz Max



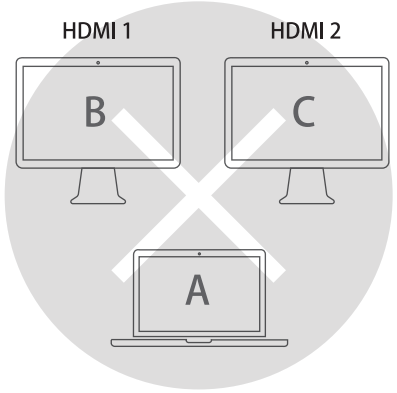
Extended Desktop Mode

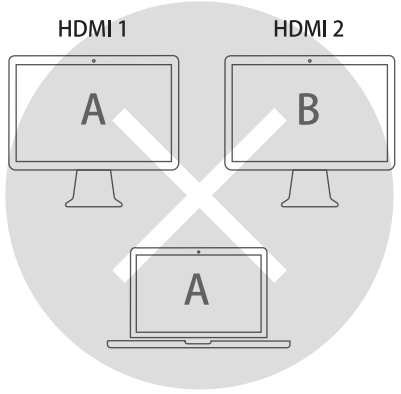
4K 60Hz Max



HDMI Display (MAC OS)

Note:MacOS doesn't support split-screen display in extended mode.





HDMI Display (MAC OS)

This docking station allows your Mac display to your HDMI-enabled TV or display.

3840x2160 at 60Hz on:

MacBook Pro (16-inch, 2019)
MacBook Pro (15-inch, 2017 and later)
MacBook Pro (13-inch, four Thunderbolt 3 ports, 2020)
MacBook Air (2020)
iMac (Retina 5K, 27-inch, 2017 and later)
iMac (Retina 4K, 21.5-inch, 2017 and later)
iMac Pro (2017 and later)

1080p at 60Hz or UHD (3840 by 2160) at 30Hz on:

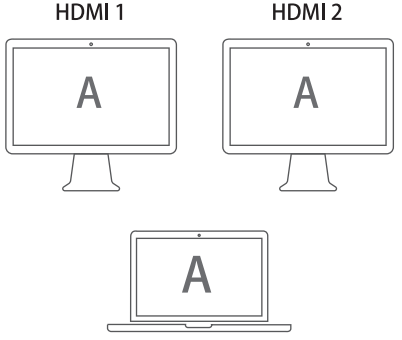
MacBook Air (2018 and later)
MacBook Pro (13-inch, 2016 and later)
MacBook Pro (15-inch, 2016)
iMac (non-Retina, 21.5-inch, 2017)
Mac mini (2018)

HDMI Display (Windows OS)

1. NewQ docking station supports 4K 60Hz Max. For the actual frame rate supported, please refer to the parameters of your PC.
2. PC & Monitor & Connecting Cable shall support 4K 60Hz.
3. PC USB-C Port shall support DP1.4 Standard.
4. PC Graphics Driver shall support corresponding display mode.

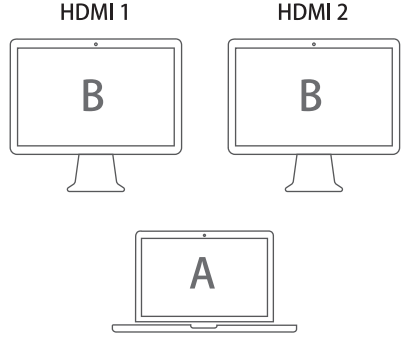
Mirror Mode

4K 60Hz Max



Extended Desktop Mode 1

4K 60Hz Max

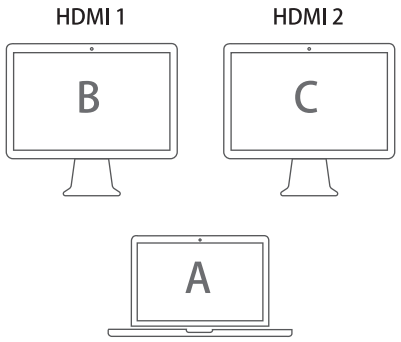


HDMI Display (Windows OS)

1. PC & Monitor & Connecting Cable shall support 4K 30Hz
2. PC USB-C Port shall support DP1.4 Standard
3. PC Graphics Driver shall support corresponding display mode

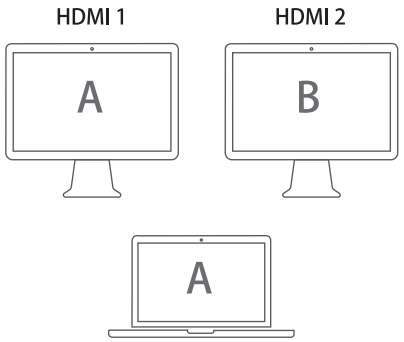
Extended Desktop Mode 2

4K 30Hz Max



Extended Desktop Mode 3

4K 30Hz Max



Caution

- The device operates correctly only with a specified voltage rating; otherwise it may be damaged.
- Keep away from heat, flammables, poisons, and corrosive substance.
- Keep away from electrical appliances (such as a microwave oven) to avoid electro-magnetic interference.
- Keep the charging ports clean.
- When it′ s idle, store it flat in a location with an ambient temperature of 5° C to 40° C (41° F to 104° F; avoid extreme temperatures).
- Keep away from water, liquid, and moisture.
- Do not drop, knock, or disassemble the unit.
- Keep out of reach of children.
- It is normal that the product may generate heat under full load or during charging. The surface temperature will gradually return to normal after charging.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

WEEE Compliance

WEEE Compliance
Correct Disposal of This Product (Waste Electrical & Electronic Equipment)
(Applicable in countries with separate collection systems)
This marking on the product, accessories or literature indicates that the product and its electronic accessories should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

WEEE Compliance

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Any quality problems within 18 months, please contact us.
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