



i-tec C31TRIPLE4KDOCKPDPRO Dual DP Docking Station with Power Delivery 100W User Guide

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C31TRIPLE4KDOCKPDPRO Dual DP Docking Station with Power Delivery 100W



User guide
P/N: C31TRIPLE4KDOCKPDPRO

Please read the entire instruction manual carefully. Detailed manual is available on our website www.i-tec.cz/en/ in the tab „Manuals, drivers“. In case of any issues, please contact our technical support at: support@itecproduct.com



<https://i-tec.pro/en/produkt/c31triple4kdockpdpro-2/>

DESCRIPTION

Front panel:

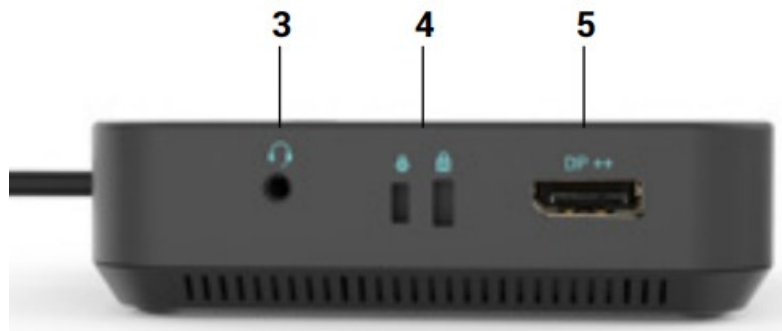
1. USB-C 3.2 Gen.2 port
2. USB 3.2 Gen.2 port



Right Panel:

3. Audio combo jack
4. Support for Kensington lock

5. DisplayPort (with DP++ support)



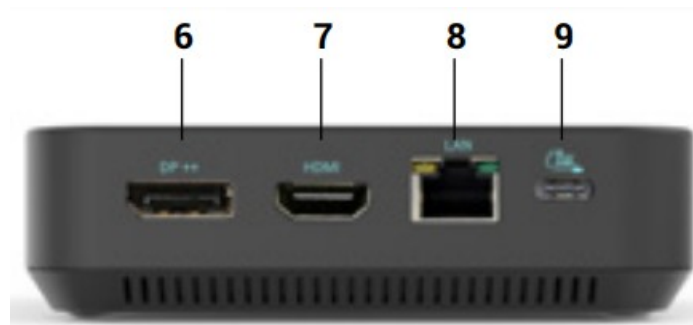
Back panel:

6. DisplayPort (with DP++ support)

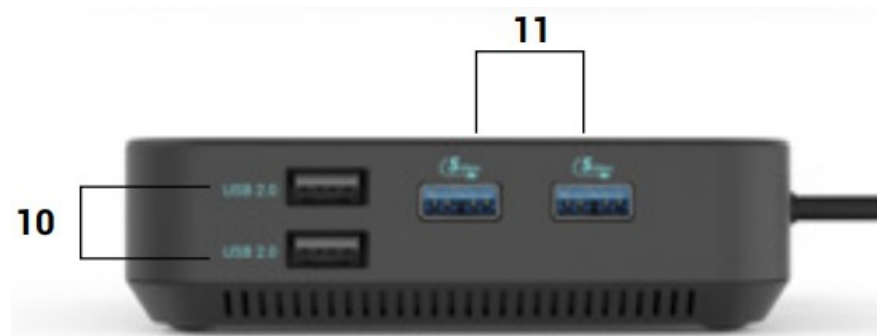
7. HDMI port

8. Ethernet GLAN RJ-45 Port

9. USB-C PD port.



Left panel:



10. 2x USB 2.0 port

11. 2x USB 3.2 port Gen.1

Top Panel:



12. LED-backlit button to turn the docking station on and off.

SPECIFICATIONS

- 1x integrated USB-C cable for connection to the device (100 cm)
- Docking station technology: USB-C (MST)
- Power Delivery: up to 100 W
- Internal power consumption: 5-10W (more info here)
- Video Ports: 2x DisplayPort (supporting DP++), 1x HDMI

Resolution:

- **Host device with DisplayPort 1.2 support:**

- 1 monitor – 1x HDMI or DP → up to 4K/30Hz
- 1 monitor – 1x HDMI or DP → up to 1080p/120Hz
- 2 monitors – 1x DP + 1x HDMI → up to 2x 1080p/60Hz*.
- 2 monitors – 2x DP → up to 2x 1080p/60Hz*
- 3 monitors – 1x HDMI + 1x DP + 1x DP → up to 1x 1080p/60Hz + up to 2x 720p/60Hz*

- **Host device with DisplayPort 1.4 support:**

- 1 monitor – 1x HDMI → up to 4K/60Hz
- 1 monitor – 1x DP → up to 4K/60Hz
- 2 monitors – 1x DP + 1x HDMI → up to 2x 1440p/60Hz*
- 2 monitors – 1x DP + 1x HDMI → up to 2x 4K/30Hz*
- 2 monitors – 2x DP → up to 2x 4K/30Hz*
- 3 monitors – 1x HDMI + 1x DP + 1x DP → up to 3x 1080p/60Hz*

- **DisplayPort 1.4 host device with DSC support:**

- 1 monitor – 1x HDMI → up to 4K/60Hz
- 1 monitor – 1x DP → up to 5K/60Hz
- 1 monitor – 1x HDMI → up to 1440p/144Hz or 1080p/240Hz
- 1 monitor – 1x DP → up to 4K/144Hz or 1440p/240Hz or 1080p/360Hz
- 2 monitors – 1x DP + 1x HDMI → up to 2x 4K/60Hz*
- 2 monitors – 1x DP + 1x HDMI or DP → up to 2x 1440p/144Hz*
- 3 monitors – 1x HDMI + 1x DP + 1x DP → up to 3x 4K/30Hz*
- 1x USB-C 3.2 Gen.2 port (10 Gbps)
- 1x USB-C 3.2 port Gen.2 (10 Gbps) + PD (Power delivery)
- 3x USB-A 3.2 port Gen. 1 port (5 Gbps)
- 2x USB 2.0 port
- 1x Ethernet GLAN RJ-45 port
- 1x 3.5 mm Combo Audio port
- LED indication
- ON/OFF switch to turn the docking station on and off
- MAC address cloning: yes (using i-tec Docker Pro software)
- VOL: S1, S2, S3
- Support for Kensington lock
- OS: Windows 11, Windows 10, macOS*, iPadOS**, Android**, Chrome OS and Linux with the latest updates

- Product dimensions: 113 x 113 x 31.2 mm
- Product weight: 340 g
- Package dimensions: 250 x 242 x 50 mm

Specification notes:

* The macOS operating system doesn't support Multi Stream Transport (MST), which means that when connected to macOS, the same image will be projected on all connected monitors.

** iPadOS, Android do not support multi-screen video transfer technology, nor the extended screen option. This means that when connected to an external monitor, only the mirrored screen will be displayed. (Not valid for androids with DEX and Easy Projection extension)

The docking station can be used without a power adapter connected. In this case, the video outputs, LAN (RJ-45), audio/mic and both USB 2.0 ports will always be functional. However, the USB 3.2 ports and the USB-C data port may not work when connecting devices with higher power requirements (e.g. SSDs, especially NVMe drives). In this case, the docking station may shut down. We recommend using the docking station with the power adapter connected to ensure that all ports are used and that maximum data transfer speeds are achieved.

Note: If connected to an Android device, the dock will only work with the power adapter connected. The adapter is not included.

SYSTEM REQUIREMENTS

Hardware requirements:

- Devices with a free USB-C, USB4 or Thunderbolt™ 3/4 port

Requirements for the Power Delivery function:

- Devices with a free USB-C, USB4 or Thunderbolt™ 3/4 port with Power Delivery support

Video output requirements:

- Devices with a free USB-C or USB4 port that supports DisplayPort Alternate Mode or Thunderbolt™ 3/4 port

Operating system:

- Windows 10 / 11, macOS*, iPadOS**, Android**, Chrome OS and Linux with the latest updates

* macOS does not support Multi Stream Transport (MST). Connecting two monitors to a macOS station will cause both monitors to display the same image.

** iPadOS, Android systems do not support multi-screen image transfer technology or the expanded screen option. This means that only the mirrored screen will be displayed when connected to an external monitor. (Not valid for Android devices with DEX and Easy Projection extensions).

INSTALLING DRIVERS

Windows:

Only if a problem is detected with the LAN adapter, e.g. :

In case of outages, slow network and in case of poor or no LAN detection.

You can download LAN drivers here in the Manuals, Drivers section: <https://i-tec.pro/produkt/c31triple4kdockpdpro/>

MacOS:

No need to install drivers.

SAFETY INSTRUCTIONS FOR USING THE DOCKING STATION

- Do not expose to extreme temperatures and humidity.
- Use the device on flat pads to avoid slipping and falling on the ground. Keep the controls and manual for later use.
- Avoid straining the USB-C port or cable.
- Restart the product periodically using the ON/OFF button or by unplugging it from the mains.
- Do not plug USB-C PD adapters into USB-C ports that are not marked as ports to connect USB-C PD power adapter.
- It is recommended that you switch off the docking station at the end of the day.

In cooperation with the service department:

- Check functionality after falling into water or on the ground.
- Verify functionality when the cover is cracked.
- Complain about the device not working according to the manual.

FREQUENTLY ASKED QUESTIONS

Available on our website www-i-tec.pro under “FAQ” for this product

GLOSSARY OF TERMS

Interface / port / connector / input / slot – the place where two devices are physically connected.

Controller – a semiconductor component (called a chipset) in a notebook/tablet that ensures the operation of one of the ports.

Thunderbolt™ – is a fast hardware [interface](#) that allows you to connect devices (peripherals) to your computer via an expansion [bus](#). Thunderbolt combines [PCI-Express](#) and [DisplayPort](#) into a [serial data interface](#). It allows daisy chaining of up to 6 additional Thunderbolt™ devices, with Thunderbolt™ 3/4 transfer rates of up to 40Gbit/s.

USB-C / USB Type-C / USB4 / Thunderbolt™ 3/4 – is a symmetrical connector Allows faster charging, power, dual-role (not only host, but also guest), support for alternative modes – Alt Mode (DisplayPort, MHL, Thunderbolt 3, Power Delivery) and error notification via Billboard device.

USB-C Power Delivery (USB-C PD) – optional feature of the USB-C connector. A connector with this support can both charge and be charged, and supports loads from 10W to 240W

USB 3.2 / 3.1 / 3.0 / 2.0 – standard for USB interface / port for connecting various USB devices. Various USB devices can be connected to the docking station or adapter using USB Type-A interface. The USB Type B port is used to connect the docking station or adapter to a laptop/tablet.

HDMI / Display Port – A standard for a digital graphics interface/port used to connect monitors and other graphic display devices.

LAN (Local Area Network) – a local computer network, now the most common is the so-called Ethernet, which at the docking station reaches a theoretical transfer rate of up to 2.5 Gbit/s .

Audio – a term for an audio input (microphone) or output device (headphones/speakers).

EUROPEAN UNION ONLY



NOTE: MARKING IS IN COMPLIANCE WITH EU WEEE DIRECTIVE

This equipment is marked with the above recycling symbol. It means that at the end of the life of the equipment you must dispose of it separately at an appropriate collection point and not place it in the normal domestic unsorted waste stream. This will benefit the environment for all. (European Union only)

EU Declaration of Conformity

Manufacturer: i-tec Technologies s.r.o., Kalvodova 2, 709 00 Ostrava – Mariánské Hory, Czech Republic
declares that this product

product: i-tec USB-C HDMI Dual DP Docking Station with PD 100 W

Model: C31TRIPLE4KDOCKPDPRO

Determination: Product is determined for using in PC as equipment.

We declare under our sole responsibility that the above named product is in conformity with the following European Union directives: **EC Directive 2014/30/EU, 2014/35/EU, 2009/125/ES and 2011/65/EU**

EMS (For EMC):

EN 55032:2015+A11:2020; EN 55035:2017+A11:2020; EN IEC 61000-3-2: 2019 + A1: 2021; EN 61000-3-3: 2013 + A1: 2019

For Electrical Safety: EN 62368-1:2014+A11:2017

RoHS:

2011/65/EU; EU 2015/863

and it is safety under conditions of standard application

Signed for and on behalf of:

CE

Ostrava 23. 03. 2023

A handwritten signature in black ink, appearing to read 'Lumír Kraina'.

Ing. Lumír Kraina


Executive Name and Signature

FC

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply within the limits of a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Documents / Resources

	<p>i-tec C31TRIPLE4KDOCKPDPRO Dual DP Docking Station with Power Delivery 100W [pdf] User Guide</p> <p>C31TRIPLE4KDOCKPDPRO Dual DP Docking Station with Power Delivery 100W, C31TRIPLE4KDOCKPDPRO, Dual DP Docking Station with Power Delivery 100W, Docking Station with Power Delivery 100W, Station with Power Delivery 100W, Power Delivery 100W, Delivery 100W</p>
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- [Sériová komunikace – Wikipedie](#)
- [Sběrnice – Wikipedie](#)
- [DisplayPort - Wikipedia](#)
- [PCI Express - Wikipedia](#)
- [Serial communication - Wikipedia](#)
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