



VAVA VA-UC016 USB C Hub 9 in 1 Adapter User Guide

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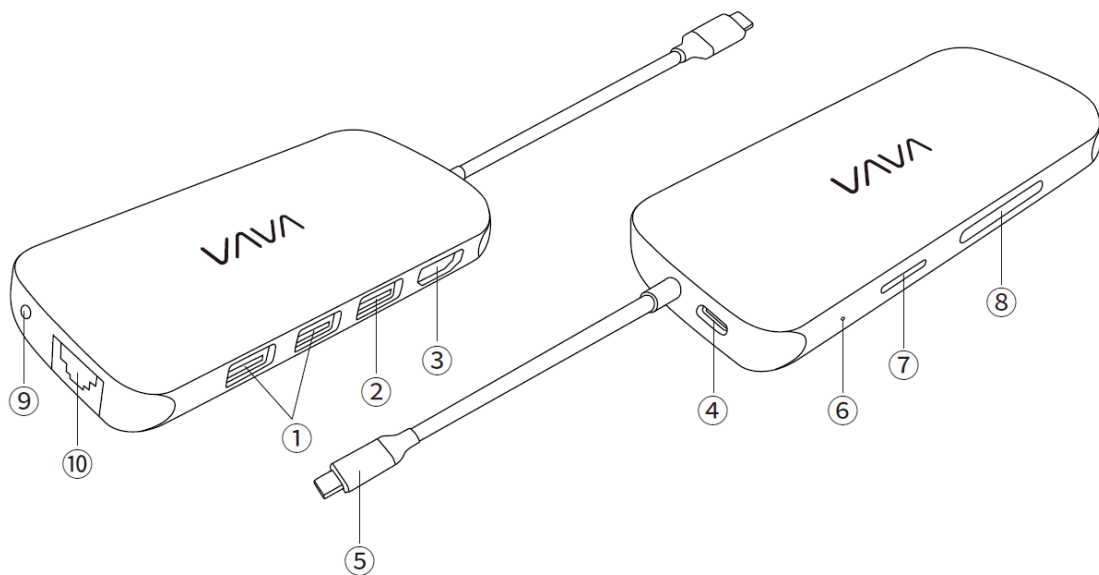
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VAVA VA-UC016 USB C Hub 9 in 1 Adapter



Product Diagram



1. USB 3.0 Ports
2. USB 2.0 Port
3. 4K HDMI Port
4. USB PD Port
5. USB-C Connector
6. LED Indicator
7. Micro SD 3.0 Slot
8. SD 3.0 Slot
9. Audio Port
10. RJ45 Ethernet Port

Caution

- Keep away from water, fire, humidity or hot environments.
- Do not drop the device from great heights.
- Do not attempt to disassemble, modify or fix this device by yourself.

Features

- USB-C Connector: Compatible with all Type-C devices that support USB3.1 /PD3.0 /DP1.2
- SD / Micro SD 3.0 Slot: Connect your SD / micro SD card
- USB 2.0 Port: Connect your wireless mouse or keyboard without 2.4Ghz interference
- USB 3.0 Port: Support high speed data transfer for connection to flash drives when also supporting peripherals like mouse, keyboard, etc.
- HDMI Port: Connect to HDTV, projector or monitor (4K@30hz or 2K@60hz)
- PD Port: Power delivery fast charging for your laptop
- RJ45 Ethernet: 1000 / 100 / 10Mbps network connection
- Audio Port: Connect your speaker or headphones

Supported Operation Systems

Windows / Mac / Unix / Chromebook

Note:

- This hub does not work with earlier OS versions (like Windows XP, Win7, Win8, Mac 10.6-10.8, Linux, etc.). For such OS version, please refer to the Driver Installation section.
- This hub supports most of the USB C devices based on standard protocol (USB3.1 / PD3.0 / DP1.2). Yet the USB C ports of some devices only support part of the functions. Please check your device's specifications when using.

Compatible Devices (USB 3.1 / PD 3.0 / DP 1.2 Supported)

Supports most of the USB C devices based on standard protocol (USB3.1 / PD3.0 / DP1.2):

- Google Pixelbook or other Chromebooks with USB C port
- Apple MacBook / Pro (2016 / 2017 / 2018)
- Apple iMac / iMac Pro (21.5", 27")
- Apple MacBook Air 2018

Only PD 3.0 Supported Device

- iPad Pro 2018 (DP 1.2 supported)
- Asus ZenPad 3S

Only USB 3.1 Supported Devices

- Asus ZenBook3 / Transformer3 Pro
- Samsung TabPro
- Wacom MobileStudio Pro 16
- Asus ZenBook3
- Other USB C devices that support DP 1.2 or run under enough battery

Note:

1. This USB-C hub supports pass-through charging of up to 100W. However, a 45W adapter may be too low for both the hub and laptop / computer. If charging is not started, please change to an adapter with higher output.
2. The USB 3.0 ports transfer data at a rate up to 5Gbps, however the actual rate is limited by the USB transfer rate of the connected devices.

Driver Installation

For the Ethernet port use, this hub is plug-and-play and requires no driver for Windows 8.1 or higher, Mac OS 10.9 or higher version, or Unix.

For other operation system versions, please go to this link, download and install the driver:

<https://www.realtek.com/en/component/zoo/category/network-interface-controllers-10-100-1000m-gigabit-ethernet-usb-3-0-software>

Specifications

USB-C Cable	Power Delivery (PD) V3.0, 9V / 12V / 15V / 20V, 5A 100W Max
	<ul style="list-style-type: none"> • No charging if the computer's Type-C port does not support PD connection. DisplayPort (DP) V1.2a <ul style="list-style-type: none"> • Video play is not available if the computer's type-C port does not support DP connection. 5Gbps max. data transfer speed for USB 3.1 Gen1
SD / Micro SD 3.0 Slot	Support Secure Digital V1.0 / V1.1 / V2.0 / SDHC / SDXC (Capacity up to 2TB); V3.01 UHS-I (Ultra High Speed): SDR12 / SDR25 / SDR50 / DDR50 / SDR104
USB PD Port	Power Delivery (PD) V3.0, 9V / 12V / 15V / 20V, 5A 100W Max

USB 2.0 Port	480Mbps / 12Mbps max for USB 2.0 / 1.1	Max 5V / 1.36A for 2 USB 3.0 ports and SD port; When connecting power adapter: <ul style="list-style-type: none">• Max 5V / 1.5A for < 30W adapter• Max 5V / 1.8A for ≥ 30W adapter
USB 3.0 Ports	5Gbps / 480Mbps / 12Mbps max. for USB 3.0 / 2.0 / 1.1;	
4K HDMI Port	Support connecting to monitor, TV and projector via HDMI port, up to 1080p at 60Hz or UHD 3840×2160 at 30Hz.	
RJ45 Ethernet Port	10 / 100 / 1000Mbps; plug and play for Windows 8.1 / Mac OS 10.9 and higher versions	
Audio Port	USB2.0, 48KHZ, 16bit Audio DAC	
Cable Length	18cm / 7.1in	
Surface Temperature	55°C (full load)	
Dimensions	28.8 x 4.7 x 1.4mm / 1.1 x 0.2 x 0.06in	
Weight	84g / 3oz	

Warranty

18-month warranty
Lifetime customer service

Tips for Use

- **POWER:** This hub supports pass-through charging of up to 100W;however when connected to a standard

60W power adapter, the hub and the peripheral devices will use about 11W of power, thus the final charge supplied will be 49W which may not be enough for some laptops.

- **DO NOT CHARGE YOUR PHONE:** It's recommended to use the USB ports only for data transfer, instead of charging iPads, tablets or smart phones.
- **HIGH POWER PERIPHERAL:** Though it supports simultaneous flash drive use, to achieve best transfer rates, we recommend using only one at a time.
- **DISPLAY:** To achieve optimal 3840 x 2160 resolution, use with a 4K screen display and HDMI 2.0 cables.
- **ETHERNET:** For the max 1000Mbps network speed, a 1000Mbps LAN port router, a CAT5e cable and a high speed Ethernet driver is required.
- **OPERATING TEMPERATURE:** When in use, the maximum working temperature of this USB-C hub can reach up to 131°F (55°C), which may feel hot to the touch, but is not abnormal (the chips can work at 161.6°F / 75°C).
- **DO NOT USE C-A ADAPTER:** This USB-C hub does not work with laptops with USB-A inputs even if a C-to-A adapter is used since standard protocol used for USB-C devices deviate (e.g. Power Delivery).

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References

- [V VAVA Official Site - Evolve](#)