ATEN USB-C Multiport Dock with Power Pass-Through User Manual

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EMC Information

Federal Communication Commission Interference Statement: This equipment has been tested and found to comply with the limits for a Class B digital service, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and receiver; Connect the equipment into an outlet on a circuit different from that which the receiver is connected; Consult the dealer/an experienced radio/television technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. 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.

RoHS

This product is RoHS compliant.

Contents

UH3234 User Manual

Online Registration

International	**http://eservice.aten.com/**

Telephone Support
For telephone support, call this number:

International	886-2-8692-6959
China	86-400-810-0-810
Japan	81-3-5615-5811
Korea	82-2-467-6789
North America	1-888-999-ATEN ext 4988 1-949-428-1111

Technical Support

- For international online technical support including troubleshooting, documentation, and software updates:

  http://eservice.aten.com
- For North American technical support:

Email Support		support@aten-usa.com
Online Technical Support	Troubleshooting Documentation Software Updates	http://support.aten.com
Telephone Support		1-888-999-ATEN ext 4998

Package Contents

- UH3234 USB-C Multiport Dock with Power Pass-Through
- 1 User Instructions

Check to make sure that all the components are present and that nothing got damaged in shipping. If you encounter a problem, contact your dealer.

Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

* Features may have been added to the UH3234 since this manual was printed. Please visit our website to download the most up-to-date version of the manual.

Overview

The ATEN UH3234 USB-C Ultra-Slim Multiport Dock is an ultrasleek, one-step total upgrade for your laptop that provides all the extra expansion capabilities that you need. Simply use one cable to add up to 10 devices, with power delivery pass-through to boost your productivity with extra HDMI, DisplayPort, VGA, USB 3.1 Gen 1, SD/MMC/Micro SD, Ethernet and Audio connectivity. With Power Delivery Pass-Through up to 60W, UH3234 can charge your laptop, while connected to the docking station. The UH3234 provides power to matched USB-C Windows or Mac laptops with PD Profile specifications of 20V/ 3A, 12V/3A, 9V/3A and 5V/3A. Enjoy stunning 4K video or a dual HD monitor setup with HDMI, VGA, and DisplayPort functionality. The UH3234 routes video from a source computer to a DisplayPort or HDMI monitor via a single cable while maintaining the highest quality 4K resolution. You can also mirror or extend your Windows USB-C laptop to two monitors in 1080P. This ergonomic, plug-and-play device (no software drivers are needed) is compatible with all major operating systems (Windows and OS X). Save space on your desktop by placing your laptop directly on top of the lightweight yet rugged docking station or display the dock next to your monitors for a stylish, minimalist workstation.

Features

- Connects up to 10 devices instantly through a USB-C cable
- Supports USB Power Delivery 2.0 (PD 2.0) for laptop charging up to 60W via a USB-C PD power adapter – power profile includes 5V, 9V, 12V, and 20V
- Supports 4K resolution on a single HDMI or DisplayPort display, and Dual 1080p on a DisplayPort and an HDMI or VGA monitor
- 1 x USB 3.1 Gen 1 Type A port supports Battery Charging Specification Revision 1.2 (BC 1.2) for Fast-Charging device
- Built-in memory card readers (SD/MMC/Micro SD)
- 3.5 mm Stereo 4-Pole Audio Jack with Microphone
- Gigabit Ethernet
- Stylish and ultra slim design allows user to place a 13″ laptop directly on the top of the dock and save space on desk5

- Enhanced EMI protection by increasing the cable braid density and adding conductive foam

Note:

1. The maximum charging performance may be insufficient based on the laptop power adapter spec.
2. For video output to work through a USB-C port, it must support DP Alt Mode. For Dual-View to work, a computer's graphics card must support MST technology. Mac computers only support single-view output.
3. UH3234 does not support DP++ standard for using optional active/passive video adapter to convert DP signals to DVI/HDMI.
4. SD and Micro SD Card cannot be used at the same time; functionality accords to the order of insertion.
5. Fits a 13″ laptop with a USB-C port on the left side.

System Requirements

Windows USB-C enabled computer:

- Windows® 10 (32-bit / 64-bit) and above
- With Intel 7th-Generation Core Processor (Kaby Lake with HD 6XX series integrated graphics) and above.

Note: For more information about CPU generation, please go
to
https://www.intel.com/content/www/us/en/processors/ processor-numbers.html

- For video output to work through a USB-C port, it must support DP Alt Mode.

Mac USB-C enabled computer:

- MacBook 2015 and later
- MacBook Pro 2016 and later
- Mac OS X 10.12 and above

USB-C enabled iOS Tablet

- iOS 12.1 and above, iPad Pro 3rd generation (2018)

Note: For better HID experience, iPad OS 13 and above is recommended.

Components
UH3234

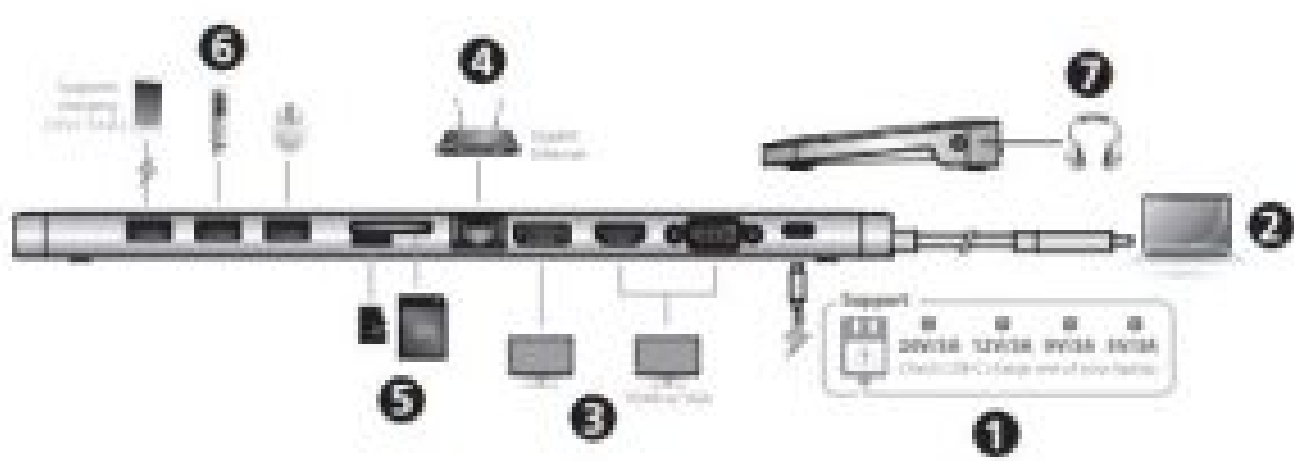| No.	Component	Description
1	3.5 mm Stereo 4- Pole Audio Jack with Microphone	The cable from your microphone/speakers plugs in here.
2	USB 3.1 Gen 1 Type-A Port with BC 1.2 fast charging (5V/1.5A)*	The cables from USB 3.1 Gen 1/2.0/1.1 peripheral devices plug into these port and can be used for charging. This port supports Battery Charging Specification Revision 1.2 (BC 1.2) and provides 7.5W for USB peripheral device charging.
3	USB 3.1 Gen 1 Type-A Port	The cables from two USB 3.1 Gen 1/2.0/1.1 peripheral devices plug into these ports.
4	SD Card Slot	The SD card insert into the SD reader ports
5	Micro SD Card Slot	The Micro SD card insert into the Micro SD reader ports
6	Gigabit LAN Port	The Ethernet cable that connects to the network plugs in here.
7	DisplayPort	The cable from a DisplayPort monitor plugs into this port.
8	HDMI Port	The cable from a HDMI monitor plugs into this port.
9	VGA Port	The cable from an VGA monitor plugs into this port.
10	USB-C DC In Port	The power adapter cable plugs into this jack.
11	USB-C Host Connector	The Host connector enabled UH3234 plugs into your USB-C laptop.

Installation

1. Make sure that the power to any device that you connect to the installation has been turned off.

2. Make sure that all devices you will be installing are properly grounded. ⚠

To set up the UH3234, use the diagram on the next page (the numbers in the diagram correspond with the

numbered instructions below), and do the following:

1. Plug in a USB-C PD power adapter to the USB-C DC In port on the UH3234.*
2. . Power on your laptop and use the USB-C Host Connector to connect the UH3234 to the host laptop.
3. For a dual-view display, connect the UH3234's HDMI or VGA port to a monitor, and then the DisplayPort to another monitor.
4. Use an Ethernet cable to connect the Gigabit LAN port to an Internet connection.
5. Insert an SD or Micro SD card into the card reader slot.
6. Use USB cables to connect USB peripheral devices to the USB 3.1 Gen 1 Type-A ports.
7. Use audio cables to connect to the 3.5 mm Stereo Audio Jack.

*Please plug in the USB-C charger to the USB-C DC In port before using the dock, as plugging or unplugging of the USB-C charging port may cause a momentary disconnect on the USB devices connected to the docking station.

Configuration and Settings

Video Output Support

Resolution	Frequency	Single View	Dual View
4K (3840 x 2160)	30 Hz	Yes	No
Full HD (1920 x 1080p)	60 Hz	Yes	Yes

Monitor/Sound Settings External Monitor Settings: Mac OS X

Option 1: Extend Mode

1. Open System Preferences and click Displays.
2. Click on Arrangement to change the position of the displays currently connected.

Option 2: Mirror Mode

1. Open System Preferences and click Displays.
2. Click on Arrangement.
3. Click the box marked Mirror Displays.

External Sound Settings: Max OS X

1. Open System Preferences and click Sound.
2. Click on Arrangement to change the sound-output device to the currently connected USB DAC.

Specifications

Function	UH3234
Computer Connections	1
Connectors	
Computer	1 x USB-C Male
Device	3 x USB3.1 Gen1 Type A Female* *1. 1 port supports BC1.2 with 7.5W (5V/ 1.5A), the other 2 ports share 5W (5V/ 1A) 2. The total output of 3 x USB3.1 Gen1 Type A Female is 10W(5V@2A)
Video Output	1 x DisplayPort Female 1 x HDMI Female 1 x VGA Female
LAN	1 x Gigabit Ethernet Female (Black)

Audio			1 x 3.5mm Stereo 4-Pole Audio Jack with Microphone
Flash Memory			SD/SDHC/SDXC Micro SD/SDHC/SDXC (up to 128 GB)
Power			1 x USB-C DC-in Female **Note:** 1. Supports USB Power Delivery 2.0 for charging up to 60W, power profiles inclu des 5V, 9V, 12V, and 20V (additional USB-C PD power a dapter needed). 2. The minimum system power requirement for basic USB functions and video output should be at least 5V, 15W. 3. The first 15W will supply the UH3234, and the balan ce power will supply to the laptop.
Video Resolution	Single View	DisplayPort	3840 x 2160 @ 30 Hz
		HDMI	3840 x 2160 @ 30 Hz
		VGA	1920 x 1200 @ 60 Hz
	Dual View	DisplayPort	1920 x 1080 @ 60 Hz
		HDMI/VGA	1920 x 1080 @ 60 Hz
Power			

Consumption	DC 5V, 15W
System Requirements	1. Windows 10 and above, USB-C enabled computer with DP Alt Mode **Note:** For more information about CPU generation, please go to **https://www.intel.com/content/ www/us/en/ processors/ processor-numbers.html.** 2. Mac OS X 10.12 and above, USB-C enabled computer 3. iOS 12.1 and above, iPad Pro 3rd generation (2018) **Note:** For better HID experience, iPad OS 13 and above is recommended.

Environmental

Operating Temperature	0–40º C
Storage Temperature	-10–70º C
Humidity	0–90% RH, Non-condensing

Physical Properties

Housing	Metal
Weight	0.315 kg

Dimensions (L x W x H)	28cm x 7.5cm x 1.45 cm

Safety Information

Avoid circuit overloads. Before connecting any equipment to a circuit, know the power supply's limit and never exceed it. Always review the electrical specifications of a circuit to ensure that you are not creating a dangerous condition or that one doesn't already exist. Circuit overloads can cause a fire and destroy equipment.

Limited Warranty

ATEN warrants its hardware in the country of purchase against flaws in materials and workmanship for a Warranty Period of two [2] years (warranty period may vary in certain regions/countries) commencing on the date of original purchase. This warranty period includes the LCD panel of ATEN LCD KVM switches. Select products are warranted for an additional year (see A+ Warranty for further details). Cables and accessories are not covered by the Standard Warranty.

What is covered by the Limited Hardware Warranty
ATEN will provide a repair service, without charge, during the Warranty Period. If a product is detective, ATEN will, at its discretion, have the option to (1) repair said product with new or repaired components, or (2) replace the entire product with an identical product or with a similar product which fulfills the same function as the defective product. Replaced products assume the warranty of the original product for the remaining period or a period of 90 days, whichever is longer. When the products or components are replaced, the replacing articles shall become customer property and the replaced articles shall become the property of ATEN.

To learn more about our warranty policies, please visit our website:
http://www.aten.com/global/en/legal/policies/warranty-policy/

Documents / Resources

ATEN USB-C Multiport Dock with Power Pass-Through [pdf] User Manual
USB-C Multiport Dock with Power Pass-Through, UH3234

References

- **eService System**
- **USA Location information - USA.com**
- **ATEN Product Warranty | ATEN Corporate Headquarters**

- [A+ Warranty | ATEN Corporate Headquarters](#)
- [LCD KVM Switches / Consoles | ATEN Corporate Headquarters](#)
- [intel.com/content/www/us/en/processors/](#)
- [Intel® Processor Names, Numbers and Generation List](#)