

HighPoint

RocketU 1411C

PCIe 3.0 to 1-Port USB-C 3.2 20Gb/s HBA



Quick Installation Guide
V1.00

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Introducing the HighPoint RocketU 1411C

The RocketU 1411C is a 4-lane USB-C 3.2 20Gb/s PCIe 3.0 x4 host adapter. It can be easily installed into any x4/x8/x16 slot, and is natively supported by the latest versions of Windows and Linux distributions.

Backwards Compatible with USB 3.2 Gen2, USB 3.2 Gen1, USB 2.0 Devices

RocketU 1411C controllers can be installed into any computing platform with an industry-standard PCIe 3.0 or 4.0 x4/x8/x16 slot. The one independent USB Type-C ports support any industry-standard USB 2.0, USB 3.2 Gen1, USB 3.2 Gen2 device, including USB hard drives and SSD's, cameras, printers, capture devices and peripherals.

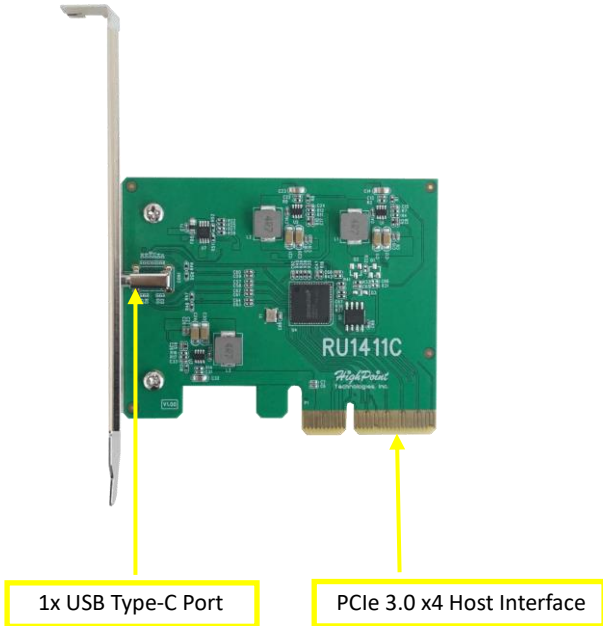
Kit Contents

- RocketU 1411C host controller
- Quick Installation Guide
- Low Profile Bracket

System Requirement

- PC with Windows 8.1 and later
- Linux 3.10.0 and later

Board Layout



Installing the RocketU 1411C Host Adapter

Note: Make sure the system is powered-off before installing the host adapter.

1. Open the system chassis and locate an unused PCI-Express x4/x8/16 slot.

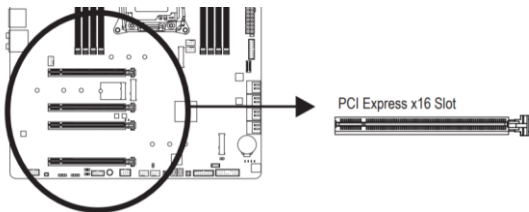


Figure 1 - PCIe x16 slot diagram

2. Gently insert the RocketU 1411C into the PCI-Express slot, and secure the bracket to the system chassis.
3. After installing the adapter, attach the USB device with USB cables.
4. Close and secure the system chassis.

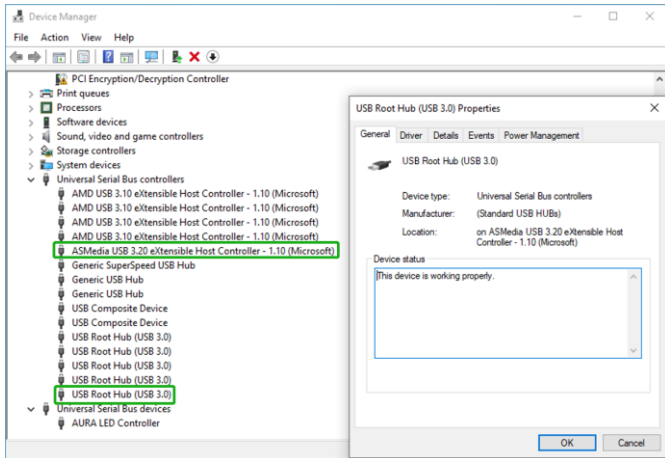
Driver Installation

Windows Platforms: The RocketU 1411C is natively supported by Windows 8.1 and later (no driver installation is required).

Linux Platforms: The RocketU 1411C is natively supported by Linux 3.10.0 and later (no driver installation is required).

Verifying Installation (Windows)

1. Open Device Manager.
2. Expand the '**Universal Serial Bus Controllers**' entry.
3. If the driver is installed properly, one "ASMedia USB 3.20 eXtensible Host Controller" and three "USB Root Hub" entry should be displayed.



Verifying Installation (Linux)

1. Open terminal and enter the following command: **lspci**
2. If the driver is installed properly, one “ASMedia Device 3242” entry should be displayed.

```
test@test-X570-AORUS-MASTER:~$ sudo su
[sudo] password for test:
root@test-X570-AORUS-MASTER:~# lspci
00:00.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse Root Complex
00:00.2 IOMMU: Advanced Micro Devices, Inc. [AMD] Starship/Matisse IOMMU
00:01.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
00:01.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse GPP Bridge
00:02.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
00:03.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
00:04.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
00:05.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
00:07.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
00:07.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse Internal PCIe GPP Bridge 0 to bus[E:B]
00:08.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
00:08.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse Internal PCIe GPP Bridge 0 to bus[E:B]
00:14.0 SMBus: Advanced Micro Devices, Inc. [AMD] FCH SMBus Controller (rev 63)
00:14.3 ISA bridge: Advanced Micro Devices, Inc. [AMD] FCH LPC Bridge (rev 51)
00:18.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship Device 24: Function 0
00:18.1 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship Device 24: Function 1
00:18.2 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship Device 24: Function 2
00:18.3 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship Device 24: Function 3
00:18.4 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship Device 24: Function 4
00:18.5 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship Device 24: Function 5
00:18.6 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship Device 24: Function 6
00:18.7 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship Device 24: Function 7
01:00.0 VGA compatible controller: NVIDIA Corporation GK208 HDMI/DP Audio Controller (rev a1)
02:00.0 Non-Essential Instrumentation [1300]: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Function
03:00.0 Non-Essential Instrumentation [1300]: Advanced Micro Devices, Inc. [AMD] Starship/Matisse Reserved SPP
03:00.3 USB controller: Advanced Micro Devices, Inc. [AMD] Starship USB 3.0 Host Controller
20:00.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse Root Complex
20:00.2 IOMMU: Advanced Micro Devices, Inc. [AMD] Starship/Matisse IOMMU
20:01.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
20:02.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
20:03.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
20:03.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse GPP Bridge
20:04.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
20:05.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
20:07.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
20:07.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse Internal PCIe GPP Bridge 0 to bus[E:B]
20:08.0 Host bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Host Bridge
20:08.1 PCI bridge: Advanced Micro Devices, Inc. [AMD] Starship/Matisse Internal PCIe GPP Bridge 0 to bus[E:B]
21:00.0 USB controller: ASMedia Technology Inc. ASM3242 USB 3.2 Host Controller
22:00.0 Non-Essential Instrumentation [1300]: Advanced Micro Devices, Inc. [AMD] Starship/Matisse PCIe Dummy Function
```

Connecting USB Storage Devices

1. Power on the system.
2. Connect the USB device to the HighPoint RocketU HBA with a USB cable.
3. For hard drives or enclosures, allow the device to spin up for a few moments. Once the devices are ready, they will be recognized by the operating system and can be accessed as needed.

FCC Part 15 Class B Radio Frequency Interference statement

This equipment has been tested and found to comply with the limits for 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. This equipment generates uses and can radiate radio frequency energy and, 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 to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules. 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. European Union Compliance Statement This Information Technologies Equipment has been tested and found to comply with the following European directives:

- European Standard EN55022 (1998) Class B
- European Standard EN55024 (1998)

Customer Support

If you encounter any problems while utilizing this or any other HighPoint Technologies, Inc. product, feel free to contact our Customer Support Department.

Web Support:

<https://highpoint-tech.com/websupport/>

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