

Avocent® IPUHD 4K IP KVM Device



Quick Installation Guide for Configuration with a Vertiv™ Avocent® RM1048P Rack Manager

NOTE: These instructions are for configuring the Avocent IPUHD 4K IP KVM device with an Avocent RM1048P Rack Manager.

For instructions on using the 4K IP KVM device powered by non-Vertiv PoE+ port devices or a Vertiv™ Avocent® IPPS power supply, see the pages following this one.

1. Powering the 4K IP KVM device

Use a CAT 5e or CAT 6 cable to connect the LAN 1 (PoE+) port of the 4K IP KVM device to one of the PoE+ ports on the rack manager.

The power LED blinks red when power is applied, then turns solid red or green to indicate it is ready for operation.

NOTE: In this configuration, the 4K IP KVM device is powered using a PoE+ port connected to LAN 1. LAN 2 is not a PoE+ port and cannot be used to power the unit.

2. Connecting to the managed device

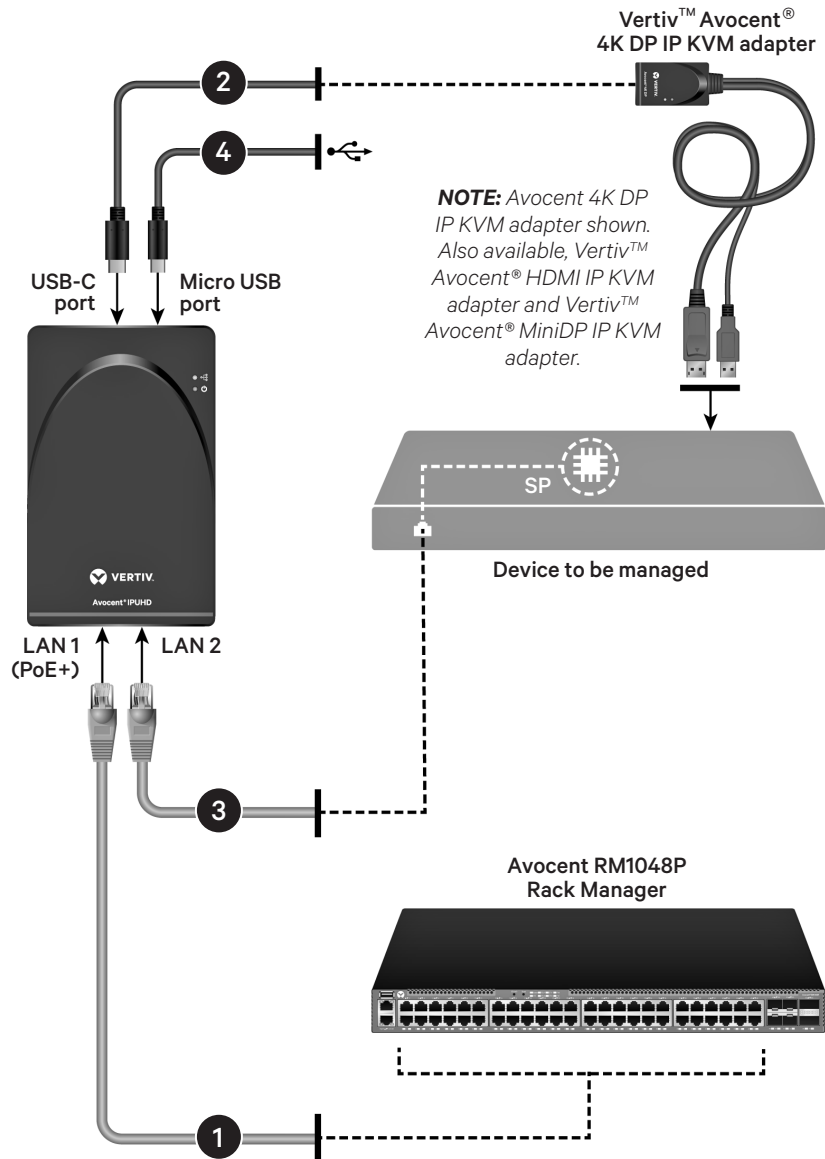
Use the provided USB-C cable to connect the USB-C port of the 4K IP KVM device directly to the managed device. If the device has no available USB-C port with DisplayPort alternative mode support, or if the USB-C port is unavailable, install a Avocent 4K IP KVM adapter with the appropriate video port cable connection to the device. Connect the USB-C cable from the 4K IP KVM device to the adapter's USB-C port.

NOTE: Avocent 4K IP KVM adapter video cable connection options for DP, HDMI and MiniDP are available. Each adapter has a single USB Type A cable for keyboard/mouse control.

3. Connecting to a device's service processor (optional)

Connect the LAN 2 port of the 4K IP KVM device to the network port on the service processor.

Vertiv™ Avocent® IPUHD 4K KVM Device Configuration



4. Connecting to a serial device (optional)

Use a Micro USB cable to connect the 4K IP KVM device to either a serial device or a USB-to-serial converter to manage the host.

NOTE: In configurations with a rack manager, the 4K IP KVM devices are auto-discovered and require no additional first time setup.

Avocent® IPUHD 4K IP KVM Device

Quick Installation Guide for Configuration With Other Devices or Power Supplies

NOTE: These instructions are for configuring an Avocent IPUHD 4K IP KVM device powered by either a Vertiv™ Avocent® IPPS power supply or by a device connected via a Power over Ethernet Plus (PoE+) port or through the Type-C connection to a target that supports Power Delivery capable of sourcing 5V/3A (15W).

1. Options for powering the 4K IP KVM device

• Power using Avocent IPPS power supply

To power the 4K IP KVM device with the Avocent IPPS power supply, insert the appropriate end of the power supply into the DC power port of the 4K IP KVM device and plug the other end into an appropriate power source. The power LED blinks red when power is applied, then turns solid red or green to indicate it is ready for operation.

NOTE: Each Avocent IPPS power supply can support two 4K IP KVM devices.

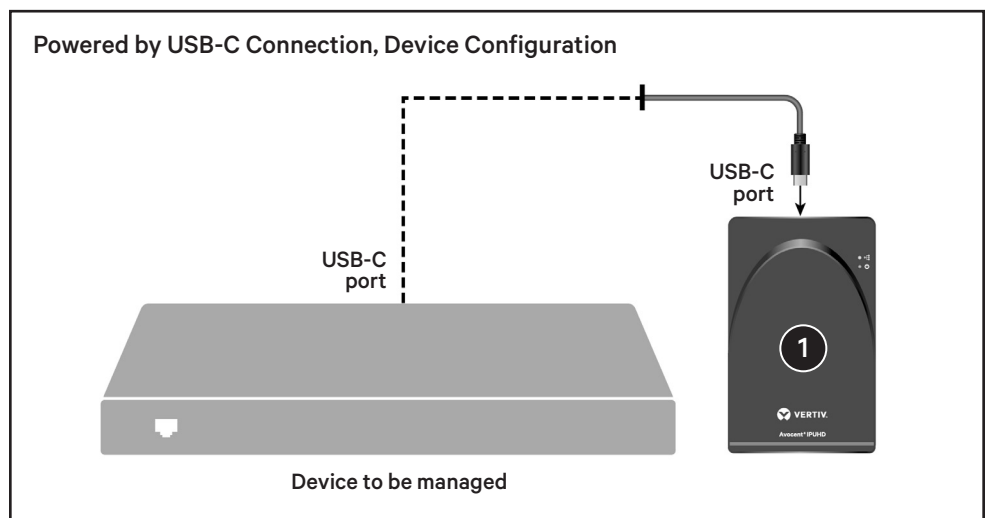
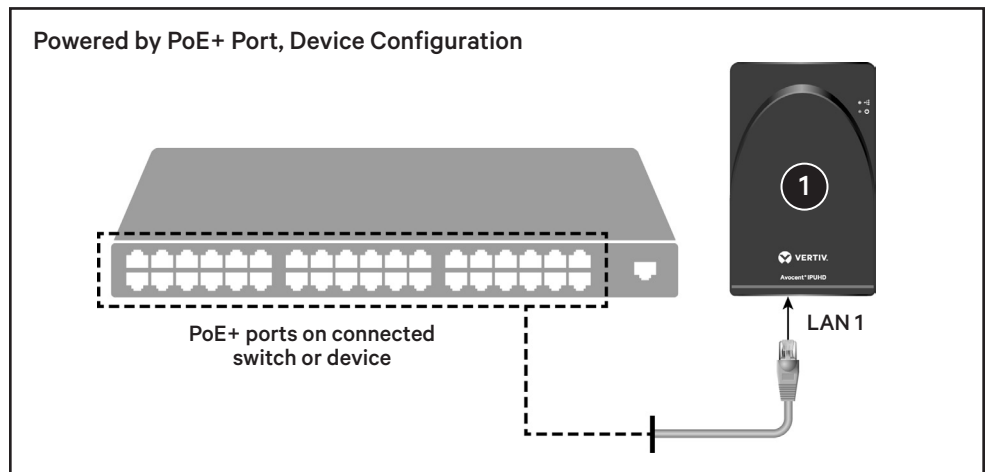
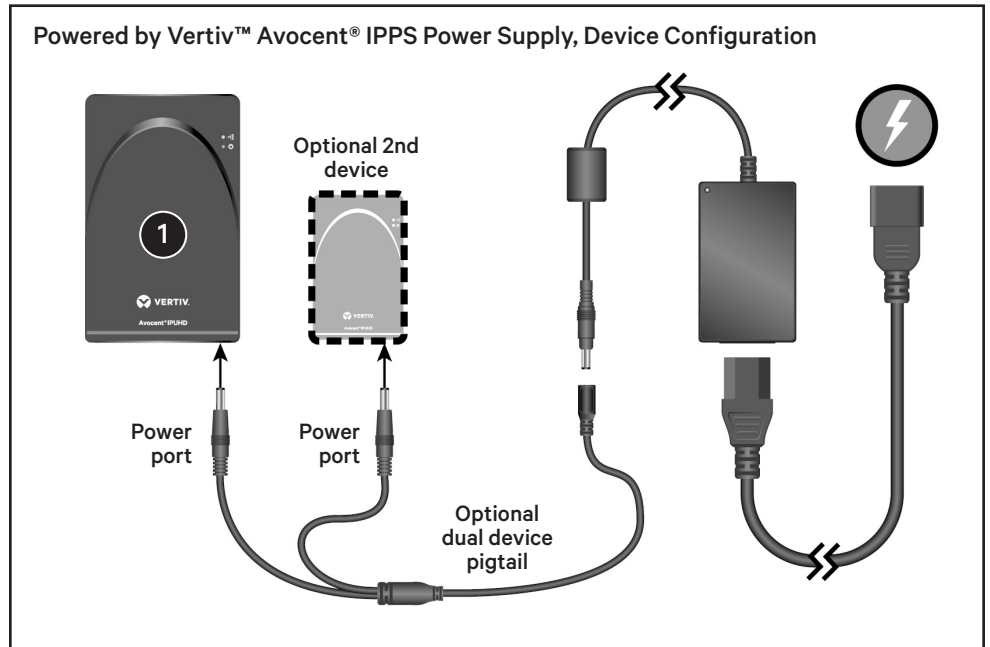
• Power via a Power over Ethernet Plus (PoE+) port

Use a CAT 5e or CAT 6 cable to connect the LAN 1 port of the 4K IP KVM device to a PoE+ port on your network switch or device.

NOTE: The 4K IP KVM device requires an 802.3 Type 2 (30W) PoE+ port.

• Power using USB-C connection

Connect to a USB-C video source port on the target device that supports Power Delivery capable of sourcing 5V/3A (15W) and DisplayPort alternative mode.



2. Connecting to a network switch

Use a CAT 5e or CAT 6 cable to connect the LAN 1 port of the 4K IP KVM device to a port on your network switch or device.

NOTE: If following the PoE power configuration, the port you connect to must be a PoE+ port on your network switch/device. The 4K IP KVM device requires an 802.3 Type 2 (30W) PoE+ port.

3. Connecting to the managed device

Use the provided USB-C cable to connect the USB-C port of the 4K IP KVM device directly to the managed device. If the device has no available USB-C port with DisplayPort alternative mode support, or if the USB-C port is unavailable, install a Vertiv™ Avocent® 4K IP KVM adapter with the appropriate video port cable connection to the device. Connect the USB-C cable from the 4K IP KVM device to the adapter's USB-C port.

NOTE: The 4K IP KVM device cannot be powered through the USB-C if an Avocent 4K IP KVM adapter is used. If using an adapter, the device must be powered using either a PoE+ or an Avocent IPPS power configuration.

NOTE: Avocent 4K IP KVM adapter video cable connection options for DP, HDMI and MiniDP are available. Each adapter has a single USB Type A cable for keyboard/mouse control.

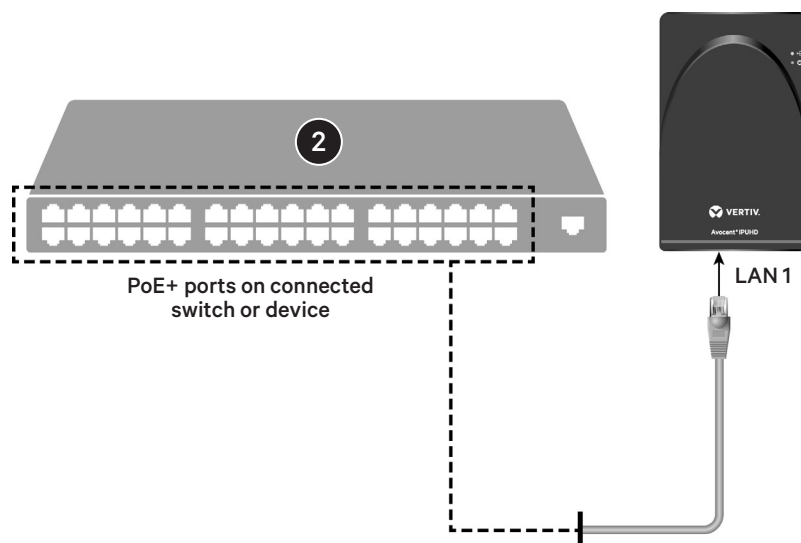
4. Connecting to a device's service processor (optional)

Connect the LAN 2 port of the 4K IP KVM device to the network port on the service processor.

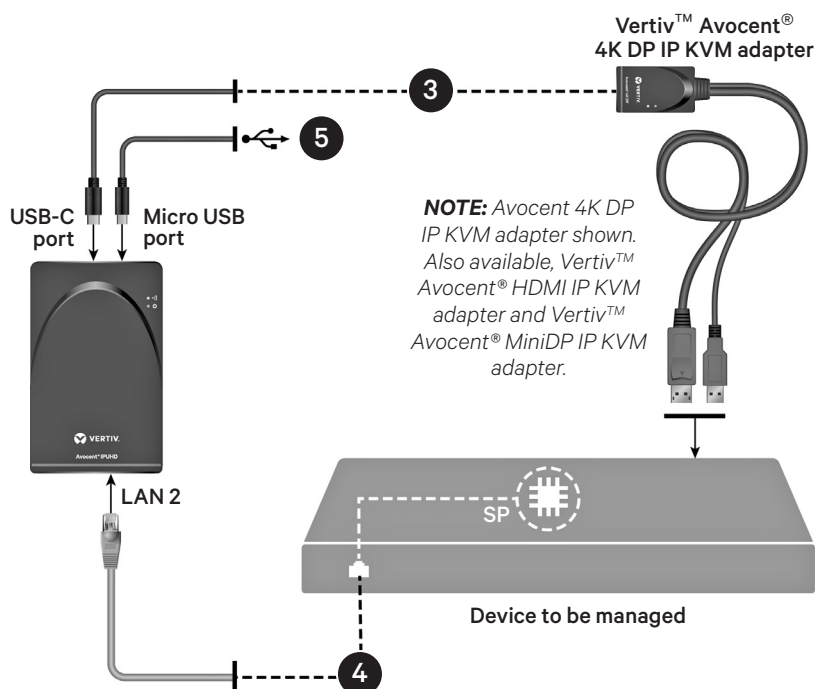
5. Connecting to a serial device (optional)

Use a Micro USB On-The-Go (OTG) cable to connect the 4K IP KVM device to a serial device or a USB-to-serial converter to manage the host.

Connecting to a Network Switch



Managed Device Connections



First time setup of the 4K IP KVM device

By default, a DHCP server on the network assigns an IP address to the 4K IP KVM device. Obtain that IP address from the DHCP server and enter it into **https://<IPaddr>** to connect to its web User Interface (UI).

If the assigned IP address is unknown, follow one of these two steps:

NOTE: The computer you are connecting must have a minimum of Windows 10 installed or have the Bonjour protocol installed (by default on Mac-OS computers).

- Connect another computer to the same local network to which the 4K IP KVM device is connected.
- or-
- Connect a micro USB cable from the 4K IP KVM device's micro USB port to another computer.

NOTE: Ensure that a new USB-NIC network interface was created automatically on the computer.

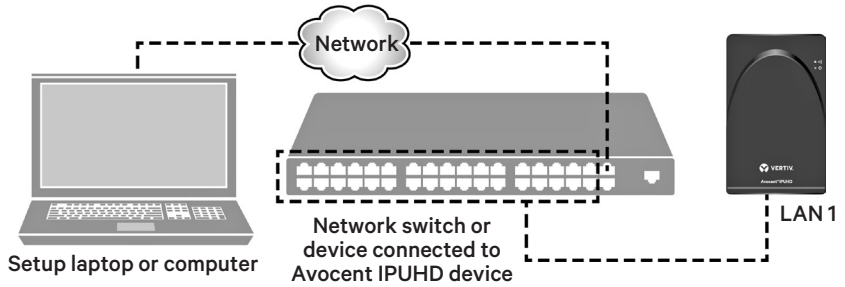
Finding the assigned IP address

- From a web browser on your computer, enter: **https://ipuhd-<macaddr-LAN1>.local**, where macaddr-LAN1 is the MAC1 on the sticker of the 4K IP KVM device.

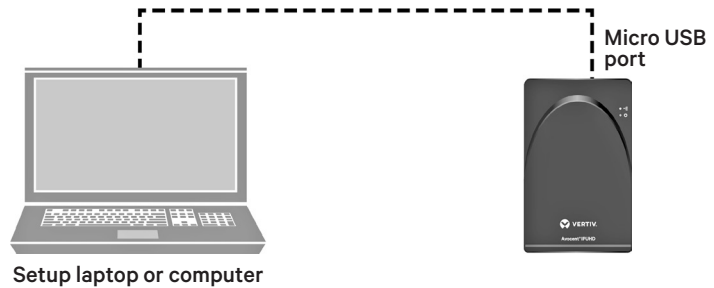
For example, **https://ipuhd-12a4dc3255b0.local**

NOTE: When using a USB connected to a laptop, if the hostname is not found, you may use this predefined IP address instead: **https://169.254.0.10**. The predefined IP address will not work if using a LAN connection.

Network Setup Connection



Direct Setup Connection



Once the URL is entered into the browser, the 4K IP KVM device's web UI appears.

- Log in with the default username/ password of **admin/admin**. You may be asked to change the password on first login.

NOTE: If the login credentials come back as invalid, enter **admin/ Password1** instead.

- From the web UI, navigate to **Configuration - Network - ethbr0** to find the assigned DHCP IP address or change any desired Network settings (for example, change to a static IP address).

Changing the mode

By default, the 4K IP KVM device is managed by a rack manager (Managed mode). To use the 4K IP KVM device with a power supply, select **Configuration - Registration** in the web UI and select **Standalone** under the Mode heading.

To contact Vertiv Technical Support: visit www.Vertiv.com

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