

Vertiv™ Avocent® ADX IPIQ IP KVM Device

Release Notes for FIPS-enabled Device

VERSION 4.4.2.0, SEPTEMBER 2023

Release Notes Section Outline

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1. Update Instructions

The Vertiv™ Avocent® ADX IPIQ IP KVM device firmware may be updated through the web user interface (UI) of either the Vertiv™ Avocent® ADX RM1048P Rack Manager or the Vertiv™ Avocent® ADX MP1000 Management Platform. To access the web UI, enter your assigned IP address into a web browser (this IP address is provided upon initial set up of the rack manager or the management platform).

NOTE: For additional information on this process, see the quick installation guide that was provided with the rack manager or the management platform. These quick installation guides are also available at [Vertiv™ Avocent® ADX Rack Manager](#) or [Vertiv Avocent ADX Management Platform](#) under the *Documents & Downloads* tab.

To update the Vertiv™ Avocent® ADX IPIQ IP KVM device firmware from the rack manager or the management platform:

1. Visit the Vertiv™ Avocent® ADX IPIQ IP KVM device firmware download page located here: [Vertiv™ Avocent® ADX IPIQ IP KVM Software Download](#)
2. Download the latest firmware and save it to your local computer, FTP, HTTP or TFTP server.
NOTE: The latest firmware version is listed in the Device Firmware Version Information section of these release notes.
3. In a web browser, enter **https://<appliance.IP>** using the appliance IP address.
4. Enter your username and password at the login screen; the Targets List screen opens.
5. Find your Vertiv™ Avocent® ADX IPIQ IP KVM device listed in the Targets List, then click on the vertical ellipsis icon at the end of this selected target's row.
6. Select the *Firmware Update* option.
7. During the firmware update process, select the filename which should be updated along with the Vertiv™ Avocent® ADX IPIQ IP KVM device.

2. Device Firmware Version Information

DEVICE/PRODUCT	VERSION	FILENAME
Vertiv™ Avocent® ADX IPIQ IP KVM device	4.4.2.0	ipiq_4.4.2.0-fips.fl

3. General Features Overview

For more information and detailed instructions on using the Vertiv™ Avocent® ADX IPIQ IP KVM device, visit the following locations:

NOTE: Select the *Documents & Downloads* tab from each link location to access documentation options.

- Information on using and installing the Vertiv™ Avocent® ADX IPIQ IP KVM device: [Vertiv™ Avocent® ADX IPIQ IP KVM Device](#)
- Information on managing the Vertiv™ Avocent® ADX IPIQ IP KVM device with a Vertiv™ Avocent® ADX RM1048P Rack Manager: [Vertiv™ Avocent® ADX Rack Manager](#)
- Information on managing the Vertiv™ Avocent® ADX IPIQ IP KVM device with the Vertiv™ Avocent® ADX MP1000 Management Platform: [Vertiv™ Avocent® ADX Management Platform](#)

NOTE: If you need additional assistance, please contact your Vertiv Technical Support representative.

Supported Features List

The following additional features are also available with this release of the Vertiv™ Avocent® ADX IPIQ IP KVM device:

- This release automatically enables FIPS 140-2 support on the Vertiv™ Avocent® IPIQ IP KVM device.

4. Client Browser Support Information

NOTE: Unless noted otherwise, both 32-bit and 64-bit browsers are supported.

BROWSER	PREFERRED VERSION	SUPPORTED VERSIONS
Edge	115+	79+
Firefox (Windows, MacOS, Linux)	115+	35+
Chrome	115+	40+
Safari	16+	12+

5. Viewer Support and Version Information

Supported Viewers

VIEWER	VERSION
KVM Viewer	4.11.1

6. TCP Port Usage Information

NOTE: TCP port usage is bidirectional unless otherwise noted.

PORT	TYPE	DESCRIPTION
443	TCP	General Communications (TCP)

7. Known Issues and Limitations

- The Vertiv™ Avocent® ADX IPIQ IP KVM device displays a mismatch between the Windows desktop resolution and the active signal resolution.
- This release does not support Microsoft Internet Explorer.
- Virtual media for a USB device (in some cases) is not displayed on some Windows versions (for example, Windows 10). Here is the current workaround for this issue in case you experience it:

To display virtual media for a USB device on Windows versions experiencing this issue:

1. From your Windows Control Panel, select the *Device Manager*.
NOTE: In Windows 10, right-click the *Start* menu and select *Device Manager*.
2. Select *Universal Serial Bus controllers*.
3. Right-click on *AVOCENT CDR* and select *Properties*.
4. Click the *Driver* tab, then select *Update Driver*.
5. Select *USB Mass Storage Device* and click *Next*.
6. Close the Device Manager window; the USB drive is now available for virtual media.

8. Resolved Issues

- In some DHCP server environments, the Vertiv™ Avocent® ADX IPIQ IP KVM device might not release its claimed IP address, which creates an IP address conflict with another device.
- When launching multiple KVM sessions shared to one single Vertiv™ Avocent® ADX IPIQ IP KVM device, the IP KVM device might run through a reboot cycle. This causes all connected sessions to terminate, so these sessions need to be relaunched.
- In a shared sessions scenario, the Mouse Mode settings in the Viewer's Tools menu might be disabled for sessions other than the first launched session.