Vertiv™ Avocent® IPIQ IP KVM Device

Release Notes for FIPS-enabled Device

VERSION 4.5.2.0, FEBRUARY 2024

Release Notes Section Outline

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NOTE: At this time, the former Vertiv™ Avocent® ADX platform is transitioning into the Vertiv™ Avocent® DSView™ solution. During this transition, there may temporarily still be references to "ADX" within product-related features and documentation.

1. Update Instructions

The Vertiv™ Avocent® IPIQ IP KVM device firmware may be updated through the web User Interface (UI) of either the Vertiv™ Avocent® RM1048P Rack Manager or the Vertiv™ Avocent® 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® Rack Manager **or** Vertiv™ Avocent® Management Platform **under the** *Documents & Downloads* **tab.**

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

1. Visit the Vertiv™ Avocent® IPIQ IP KVM device firmware download page located here:
   Vertiv™ Avocent® 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® 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® IPIQ IP KVM device.

2. Device Firmware Version Information

DEVICE/PRODUCT	VERSION	FILENAME
Vertiv™ Avocent® IPIQ IP KVM device	4.5.2.0	ipiq_4.5.2.0-fips.fl

3. General Features Overview

For more information and detailed instructions on using the Vertiv™ Avocent® 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® IPIQ IP KVM device: Vertiv™ Avocent® IPIQ IP KVM Device

- Information on managing the Vertiv™ Avocent® IPIQ IP KVM device with a Vertiv™ Avocent® RM1048P Rack Manager: Vertiv™ Avocent® Rack Manager

- Information on managing the Vertiv™ Avocent® IPIQ IP KVM device with the Vertiv™ Avocent® MP1000 Management Platform: Vertiv™ Avocent® 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® 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	120+	79+
Firefox (Windows, MacOS, Linux)	120+	35+
Chrome	120+	40+
Safari	17+	12+

5. Viewer Support and Version Information

Supported Viewers

VIEWER	VERSION
KVM Viewer	4.28.1

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

- 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

- Fixed issue where a crash could potentially occur if the DHCP server did not provide Vertiv™ Avocent® DSView™ solution vendor options.

- Enabled no-change frames to support disconnect detection in the video viewer.