

# Vertiv™ Avocent® IPIQ IP KVM Device

## Release Notes for FIPS-enabled Device

VERSION 4.5.1.0, JANUARY 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	4.5.1.0	ipiq_4.5.1.0-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 the Vertiv™ Avocent® IPIQ IP KVM device displays a misalignment between the Windows desktop resolution and the active signal resolution (CAS-65487-K8Q8S2).
- The Vertiv™ Avocent® DSView™ solution Application Programming Interface (API) now supports customer-supplied server certificates.