

Vertiv™ Avocent® MergePoint Unity™ KVM over IP and Serial Console Switch Firmware Release Notes

VERSION 2.12.4, DECEMBER 2023

Release Notes Section Outline

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1. Update Instructions

For detailed instructions on updating your switch, please refer to your user documentation.

WARNING: After upgrading to version 2.12.4, the Vertiv™ Avocent® MergePoint Unity™ switch cannot be downgraded to a firmware version earlier than 2.12.4. For more information, contact Technical Support.

- Attaching the MPUIQ-VMC or DSRIQ-VMC module to a Windows target may require the USB CCID driver to be installed. If you are prompted by the Windows New Hardware Wizard, select the Next button.
- For Vertiv™ Avocent® Power Management 2003, 2006, 2024, 3003, 3006 and 3024 Power Distribution Units (PM PDUs), version 1.10 firmware or higher is required to manage the PDU from the Vertiv™ Avocent® MergePoint Unity™ switch.

2. Appliance Support Information

The following appliances are supported with this release.

| VERTIV™ AVOCENT® MERGEPOINT UNITY™ SWITCH | FIRMWARE |
|---|----------------------------|
| MPU104E | FL0620-AVO-2.12.4.26064.fl |
| MPU108E | FL0620-AVO-2.12.4.26064.fl |
| MPU108EDAC | FL0620-AVO-2.12.4.26064.fl |
| MPU1016 | FL0620-AVO-2.12.4.26064.fl |
| MPU1016DAC | FL0620-AVO-2.12.4.26064.fl |
| MPU2016 | FL0620-AVO-2.12.4.26064.fl |
| MPU2016DAC | FL0620-AVO-2.12.4.26064.fl |

| VERTIV™ AVOCENT® MERGEPOINT UNITY™ SWITCH | FIRMWARE |
|---|----------------------------|
| MPU2032 | FL0620-AVO-2.12.4.26064.fl |
| MPU2032DAC | FL0620-AVO-2.12.4.26064.fl |
| MPU4032 | FL0620-AVO-2.12.4.26064.fl |
| MPU4032DAC | FL0620-AVO-2.12.4.26064.fl |
| MPU8032 | FL0620-AVO-2.12.4.26064.fl |
| MPU8032DAC | FL0620-AVO-2.12.4.26064.fl |

NOTE: For CentOS targets, use a single or dual mouse cursor with AMS disabled.

3. Enhancements

This release adds the following enhancements:

- Improved product security.

4. Notes

If the appliance is going to be enrolled in the Avocent® DSView™ management software, firmware version 2.12.4 requires Avocent® MergePoint Unity™ switch plug-in version 2.10.0.

5. Known Issues

This release contains the following known issue:

- In order to share HTML5 sessions, sharing with stealth must be enabled.

Common Vulnerabilities and Exposures (CVEs)

This release contains the following CVEs.

| CVE | DESCRIPTION |
|-------------------------|---|
| CVE-2023-4285, CWE-354 | Improper Validation of Integrity Check Value |
| CVE-2023-4286, CWE-330 | Use of Insufficiently Random Values |
| CVE-2023-42875, CWE-122 | Heap-based Buffer Overflow |
| CVE-2023-4288, CWE-288 | Authentication Bypass Using an Alternate Path |

6. Client/Browser Information

NOTE: Microsoft Internet Explorer versions 8 and 9 are no longer supported as client browsers.

The following chart indicates the latest version tested.

| SOFTWARE | VERSION |
|-------------------|-------------------------|
| Java | 1.8.0.291 |
| Internet Explorer | 11 |
| Firefox | 107.0 (64 Bit) |
| Chrome | 108.0.5359.125 (64 Bit) |
| Edge | 108.0.1462.54 (64 Bit) |

7. Flash Update Failure Recovery

If the switch doesn't boot into the new firmware after a Flash procedure, it is possible to revert to the previous firmware version.

WARNING: After upgrading to version 1.18.0.x, the Avocent® MergePoint Unity™ switch cannot be downgraded to a firmware version earlier than 1.18.0.x. For more information, contact Technical Support.

To revert to the previous firmware version:

1. Connect a serial cable to the Setup port on the rear panel of the Avocent® MergePoint Unity™ switch.
2. Run a terminal program on the PC connected to the Setup port. The serial port settings should be: 9600 baud, 8 data bits, 1 stop bit, no parity and no flow control.
3. Turn on the Avocent® MergePoint Unity™ switch.
4. Press any key when the *Hit any key to stop autoboot* prompt appears in the terminal program.
5. Once a menu is displayed in the terminal program, press **1** to select Boot Alternate, and then press **Enter**.
6. The Avocent® MergePoint Unity™ switch will then reboot to the previous version automatically.

8. Java Viewer Session Expired Certificate Information

Java KVM viewer session certificates existing in older firmware versions expired on September 26, 2021. After that date, Java prevented KVM sessions from launching unless you update to the newest firmware or edit the Java Console Security settings on each client computer by adding the appliance IP address in the Exception Site List.

NOTE: Currently installed ActiveX viewers are not affected and are able to continue using the expired certificate.