

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

VERSION 2.8.3 UPDATE, NOVEMBER 25, 2020

## 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 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.**

- 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 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 Avocent® MergePoint Unity™ switch.

## 2. Appliance Support Information

The following appliances are supported with this release.

MERGEPOINT UNITY™ SWITCH	FIRMWARE
MPU104E	FL0620-AVO-2.8.3.25691.fl
MPU108E	FL0620-AVO-2.8.3.25691.fl
MPU108EDAC	FL0620-AVO-2.8.3.25691.fl
MPU1016	FL0620-AVO-2.8.3.25691.fl
MPU1016DAC	FL0620-AVO-2.8.3.25691.fl
MPU2016	FL0620-AVO-2.8.3.25691.fl
MPU2016DAC	FL0620-AVO-2.8.3.25691.fl

MERGEPOINT UNITY™ SWITCH	FIRMWARE
MPU2032	FL0620-AVO-2.8.3.25691.fl
MPU2032DAC	FL0620-AVO-2.8.3.25691.fl
MPU4032	FL0620-AVO-2.8.3.25691.fl
MPU4032DAC	FL0620-AVO-2.8.3.25691.fl
MPU8032	FL0620-AVO-2.8.3.25691.fl
MPU8032DAC	FL0620-AVO-2.8.3.25691.fl

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

### 3. Enhancements

This release adds the following enhancements:

- Added serial support for the following Power Distribution Units (PDUs):  
**NOTE: See the following Connecting to a Geist™ PDU section for details on connecting an Avocent® MergePoint Unity™ switch to a Geist™ PDU.**
  - Geist™ PDUs with an IMD-3E-S controller, with firmware version 5.4.0 or higher.
  - Legacy Geist™ R-series PDUs with an RS-232 port.
- Added support to enroll the appliance in the Avocent® DSView™ 4.5 management software [Service Pack 10 (SP10) or higher] with 2048-bit certificate.
  - The On-Board Web Interface (OBWI) menu option is located by selecting *Sessions-General-Security*.
  - The default is 1024-bit.
- HTML5 viewer changes:
  - Added Copy/Paste text feature.
  - Alternate key to exit full screen is now **F10**.  
**NOTE: The user may configure a different key (F1-F24).**
- Improved product security

#### Connecting to a Geist™ PDU

To connect an Avocent® MergePoint Unity™ switch to a Geist™ PDU:

1. Configure the Geist™ PDU serial port for 38400.
2. On the PDU, create an administrator user account for use by the Avocent® MergePoint Unity™ switch, then enter those login credentials into the Avocent® MergePoint Unity™ switch via the Power Devices page.
3. Using a rollover/null modem cable, connect the Geist™ PDU serial port to the Avocent® MergePoint Unity™ switch PDU port.

### 4. Fixes

- Fixed issue with not detecting Smart Card (SCR331-LC1) when connected to the KVM switch (L3 #CAS-14552-D6G8G7).
- Fixed issue with Omnikey 3121 CAC Reader not working (L3 #CAS-16516-C3R5C9).
- Fixed issue with no video signal on Intel NUC 7 HDMI targets during boot sequence (L3 #CAS-02312-C0N7Z4, #CAS-10908-Z9D9J4).
- Fixed video/distortion issue with multiple open remote KVM sessions.
- Fixed issue with HTML5 viewer not working with a 4096-bit web certificate (L3 #CAS-24451-R7Q0S4)

## 5. Notes

If the appliance is going to be enrolled in the Avocent® DSView™ management software, firmware version 2.8.3 requires Avocent® MergePoint Unity™ switch plug-in version 2.3.7.

## 6. Known Issues

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

## 7. 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	1.8.0.201
Internet Explorer	11
Firefox	77.0.1 (64-bit)
Firefox ESR	60.3.0 ESR (64-bit)
Chrome	83.0.4103 (64-bit)

## 8. 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 autooot* 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.