

MergePoint Unity™ KVM over IP and Serial Console Switch Firmware Release Notes Version 1.10.10 October 11, 2011

This document outlines:

1. Update Instructions
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Update Instructions

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Please refer to your user manual for detailed instructions to update the switch appliance.

Important Notes:

1. Attaching the either the MPUIQ-VMC or DSRIQ-VMC module to a Windows® target may require the USB CCID driver to be installed. If the user is prompted by the Windows New Hardware Wizard, the Next button should be pressed.
2. For Avocent® Power Management 2003, 2006, 2024, 3003, 3006 and 3024 Power Distribution Units (PM PDUs), v110 firmware or higher is required to be able to manage the PDU from the MergePoint Unity™ switch.
3. Firmware updates to 1.10.0 and higher do not support downgrades to firmware versions earlier than 1.10.0 on switches with unit part number revisions listed in the table below:

520-593-507	MPU1016 16 PORT 1 DIGITAL PATH SAC
520-593-508	MPU2016 16 PORT 2 DIGITAL PATH SAC
520-594-507	MPU1016 16 PORT 1 DIGITAL PATH DAC
520-594-508	MPU2016 16 PORT 2 DIGITAL PATH DAC
520-595-507	MPU2032 32 PORT 2 DIGITAL PATH SAC
520-595-508	MPU4032 32 PORT 4 DIGITAL PATH SAC
520-595-509	MPU8032 32 PORT 8 DIGITAL PATH SAC
520-596-507	MPU2032 32 PORT 2 DIGITAL PATH DAC
520-596-508	MPU4032 32 PORT 4 DIGITAL PATH DAC
520-596-509	MPU8032 32 PORT 8 DIGITAL PATH DAC
520-601-502	MPU108 8 PORT 1 DIGITAL PATH SAC
520-602-502	MPU108 8 PORT 1 DIGITAL PATH DAC
520-803-502	MPU104 4 PORT 1 DIGITAL PATH SAC

The user can obtain the 520 unit number in one of two methods:

a. Unit label located on the bottom of the unit

b. Local or Remote User Interface under Unit View -> Appliance -> Properties -> Identify -> Part Number

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Appliance Firmware Version and Language Support Information

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The following appliances are supported with this update:

Switch	English
MPU104E	FL0620-AVO-
MPU108E	1.10.10.18462.fl
MPU108EDAC	
MPU1016	
MPU1016DAC	
MPU2016	
MPU2016DAC	
MPU2032	
MPU2032DAC	
MPU4032	
MPU4032DAC	
MPU8032	
MPU8032DAC	

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Enhancements

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1. Supports FIPS 140-2 Level 1 cryptographic security requirements

The FIPS mode of operation can be enabled or disabled via the OBWI or local port and is executed after a reboot. When the FIPS module is enabled, a reboot of the appliance requires approximately 2 additional minutes to complete a FIPS mode integrity check. Note: The FIPS mode cannot be changed via the DSView™ 3 management software plug-in. The MergePoint Unity™ switch uses an embedded FIPS 140-2 validated cryptographic module (Certificate #1051) running on a Linux PPC platform per FIPS 140-2 Implementation Guidance section G.5 guidelines.

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Fixes

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The following bugs are fixed in this release:

1. 65638361, 65622452, and 65636806 – Virtual Media error with Win32 Viewer in encrypted mode.
2. 65625200 - When restarting a KVM session in full screen mode, the display would appear off-center.
3. 65632955 - Passive KVM share hangs if lone Active KVM session killed.
4. 67711 - OBWI Adding 11th user does not properly assign targets.
5. 65614471 - Cannot start serial session with Avct Session Viewer.

6. Firefox 3.6 and later will not work with Win32 Viewer. Implemented workaround where those versions of Firefox will load the Java viewer instead.
7. 65624234, 65622199, 65626768 – Fix for "Remote session does not auto refresh video" in some cases.
8. 65634825 - Force full frame video refresh for additional video users (stealth, share, etc.) when they open their video channel. Fixes problem in which 'quiet' original channels failed to trigger any video refresh at all.
9. Fixed error in local port CDROM TableOfContents reading of LBA format.
10. 65636183 - Allow an OBWI user with non-administrator privileges to rename servers.
11. 65624012 - Avocent Mouse Sync Issue (when using AMS and Single Cursor Mode, mouse clicks cause the mouse to jump)
12. 65625630 - "DSView user with higher preemption level cannot use Stealth mode in KVM Session." Change this to work like the DSR: preemption levels are ignored when determining stealth rights. Admins should be able to open stealth sessions regardless of the respective preemption levels.

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Known Issues

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FLASH Update Failure Recovery

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If after a FLASH procedure, the switch does not boot into the new firmware version, it is possible to revert to the previous firmware version. Use the following steps to revert to the previous version of firmware:

1. Connect a serial cable to the Setup port on the rear panel of the 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. Power on the MergePoint Unity™ switch.
4. In the terminal program, when the "Hit any key to stop autoboot" prompt appears, press any key.
5. A menu should now be displayed on the terminal program. Select "Boot Alternate" by entering 1 and pressing Enter.
6. The MergePoint Unity™ switch will then reboot to the previous firmware version automatically.

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