

# Release Notes

## Digital KVM Series

Released: February 2020

Applicable hardware:

KVM2132P	APC KVM 2G, Enterprise Digital/IP, 2 Remote Users, 1 Local User, 32 ports with Virtual Media
KVM2116P	APC KVM 2G, Enterprise Digital/IP, 2 Remote Users, 1 Local User, 16 ports with Virtual Media
KVM0216A	APC KVM 2G, Enterprise Analog, 2 Local Users, 16 ports with Virtual Media
KVM1116P	APC KVM 2G, Digital/IP, 1 Remote User, 1 Local User, 16 ports with Virtual Media
KVM1116R	APC KVM 2G, Digital/IP, 1 Remote User, 1 Local User, 16 ports with Virtual Media
KVM0116A	APC KVM 2G, Analog, 1 Local User, 16 ports
KVM0108A	APC KVM 2G, Analog, 1 Local User, 8 Ports
KVM-USB	APC KVM 2G, Server Module, USB
KVM-PS2	APC KVM 2G, Server Module, PS/2
KVM-USBVM	APC KVM 2G, Server Module, USB with Virtual Media
KVM-USBVMCAC	APC KVM 2G, Server Module, USB with Virtual Media and CAC
KVM-PS2VM	APC KVM 2G, Server Module, PS/2 with Virtual Media
KVM-SERIAL	APC KVM 2G, Server Module, Serial
KVM-DVIVMCAC	APC KVM 2G, Server Module, DVI with Virtual Media and CAC
KVM-HDMIVMCAC	APC KVM 2G, Server Module, HDMI with Virtual Media and CAC

### Affected Revision Levels

Component	Current File Version	Details
KVM2132P, KVM2116P	v1.0.093	KVM firmware. Supports cascade with KVM0216A.
KVM2132P, KVM2116P	v2.0.093	KVM firmware. Supports cascade with KVM0108A and KVM0116A.
KVM0216A	v1.0.076	KVM firmware
KVM1116P	v1.0.091	KVM firmware
KVM1116R	v1.3.126	KVM firmware
KVM0116A, KVM0108A	v1.1.102	KVM firmware
KVM-USB	v1.6.151	Server Module firmware
KVM-PS2	v1.1.105	Server Module firmware
KVM-USBVM	v1.1.108	Server Module firmware
KVM-USBVMCAC	v1.2.115	Server Module firmware
KVM-PS2VM	v1.0.073	Server Module firmware
KVM-SERIAL	v1.0.094	Server Module firmware
KVM-DVIVMCAC	V1.6.153	Server Module firmware
KVM-HDMIVMCAC	v1.6.153	Server Module firmware

For details on upgrading the firmware, see the User Guide on the APC website, [www.apc.com](http://www.apc.com).

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## New Features

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### KVM2132P and KVM2116P:

- v1.0.080: Provide KVM serial number via the user interfaces. Previously, only the model number was provided. This only applies to newer production units (mfg after Aug 2012). Required a hardware and firmware change.
- v1.0.081: Change web page wording "S/N" to "Serial Number."
- v1.0.083: Added support for JRE 1.7.51. Add support for Windows 8 & IE11.
- v1.0.085: Renewed JavaClient digital signature.
- v1.0.086: Integrated with OpenSSL 0.9.8za to fix OpenSSL CVE-2014-3566 security issues.
- v1.0.087: Integrated with OpenSSL 0.98zb.
- v1.0.088: Fixed SSLv3 "POODLE" cyber security vulnerability. (CVE-2014-3566)
- v1.0.089: Added support for TLS 1.1 & 1.2. Disabled SSLv3 by default. Fixed Cross Site Scripting (XSS) vulnerabilities CVE-2014-1879 and CVE-2014-3988.
- v1.0.093 and v2.0.093: The Super Administrator must change the password on first logon.

### KVM0216A:

- v1.0.076: Added KVM-PS2VM server module firmware v1.0.073.

### KVM1116R:

- v1.0.083: Provide KVM serial number via the user interfaces. Previously, only the model number was provided. This only applies to newer production units (mfg after Aug 2012). Required a hardware and firmware change.
- v1.0.084: Change web page wording "S/N" to "Serial Number."
- v1.0.086: Added support for JRE 1.7.51. Support Windows 8 & IE11.
- v1.0.087: Renewed JavaClient digital signature.
- v1.0.088: Integrated with OpenSSL 0.9.8za to fix OpenSSL CVE-2014-3566 security issues.
- v1.0.089: Integrated with OpenSSL 0.98zb.
- v1.0.090: Fixed "POODLE" cyber security vulnerability. (CVE-2014-3566)
- v1.0.091: Added support for TLS 1.1 & 1.2. Disabled SSLv3 by default. Fixed Cross Site Scripting (XSS) vulnerabilities CVE-2014-1879 and CVE-2014-3988.
- v1.3.126: The Super Administrator must change the password on first logon. Added enhanced compatibility for M3 server.

### KVM0116A, KVM0108A

- v1.1.102: Supports connections with KVM2116P and KVM2132P firmware v2.0.093.

## Fixed Issues

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N/A

## Known Issues

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N/A