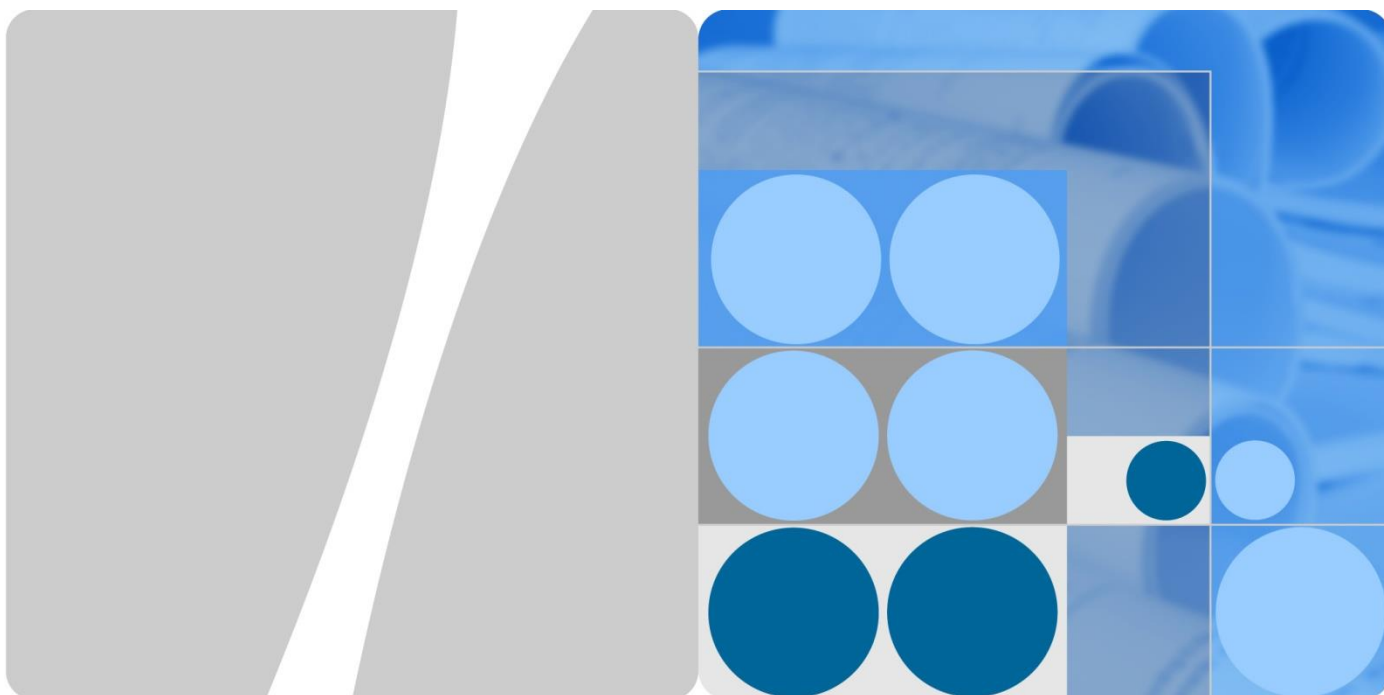




**CH242 V3 iMana
V639**

Release Notes

Issue	01
Date	2019-10-11

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1 V6.39 Release Notes

Release Date

2019-10-11

Current Version

V6.39

Earlier Version

V6.38

What's New

- Fixed the Linux (CVE-2016-10229) vulnerability.
- Upgraded the open-source software OpenSSH to 7.9p1 to fix the CVE-2017-15906, CVE-2018-15473, and CVE-2018-15919 vulnerabilities.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

2 V6.38 Release Notes

Release Date

2018-03-26

Current Version

V6.38

Earlier Version

V6.36

What's New

- Supports MZ520 and MZ522.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

3 V6.36 Release Notes

Release Date

2017-11-20

Current Version

V6.36

Earlier Version

V6.30

What's New

- Solved the CVE-2017-8890, CVE-2017-9075, CVE-2017-9076, and CVE-2017-9077 security vulnerabilities of the WindRiver operating system.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

4 V6.30 Release Notes

Release Date

2017-07-04

Current Version

V6.30

Earlier Version

V6.29

What's New

- Power supply monitoring is optimized.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

5 V6.29 Release Notes

Release Date

2017-04-11

Current Version

V6.29

Earlier Version

V6.26

What's New

- SMI storm suppression is added.
- Open-source software OpenSSH is upgraded to version 7.4p1 to solve vulnerabilities, such as CVE-2016-8858.
- This version solves the security problem that the target web URL framework may be injected with vulnerabilities.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

6 V6.27 Release Notes

Release Date

2017-03-28

Current Version

V6.26

Earlier Version

V6.23

What's New

- Processing of correctable SMIs is optimized.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

7 V6.26 Release Notes

Release Date

2017-01-12

Current Version

V6.26

Earlier Version

V6.23

What's New

- The CVE-2016-5195 "Dirty Cow" security vulnerability is solved.
- OpenSSL is upgraded to version 1.0.2j to fix security vulnerabilities, including CVE-2016-2183, CVE-2016-2177, CVE-2016-2108, CVE-2016-2107, CVE-2016-2105, CVE-2016-2106, CVE-2016-2109, and CVE-2016-2176.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

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V6.23 Release Notes

Release Date

2016-10-18

Current Version

V6.23

Earlier Version

V6.21

What's New

- OpenSSL is upgraded to 7.2p2 to solve the CVE-2016-3115 and CVE-2016-0778 security vulnerabilities.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

9 V6.21 Release Notes

Release Date

2016-08-30

Current Version

V6.21

Earlier Version

V6.20

What's New

- The following security vulnerabilities are solved.
 - OpenSSL is upgraded to version openssl-1.0.2h to solve the following security vulnerabilities: CVE-2016-0702, CVE-2016-0703, CVE-2016-0704, CVE-2016-0705, CVE-2016-0797, CVE-2016-0798, CVE-2016-0799, CVE-2016-0800, CVE-2016-2105, CVE-2016-2106, CVE-2016-2107, CVE-2016-2108, CVE-2016-2109, CVE-2016-2176, and CVE-2016-2842.
 - The OpenSSH security vulnerability CVE-2008-5161 is solved.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

10 V6.20 Release Notes

Release Date

2016-07-14

Current Version

V6.20

Earlier Version

V6.19

What's New

- Optimized the correctable ECC memory error detection mechanism.
- Upgraded SQLite to version 3.8.10.2 to fix SQLite vulnerabilities.
- Upgraded OpenSSL to version 1.0.1q to fix OpenSSL vulnerabilities.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

11 V6.19 Release Notes

Release Date

2016-04-26

Current Version

V6.19

Earlier Version

V6.15

What's New

- Optimize the policy of fan speed adjustment based on the DIMM temperature.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

12 V6.15 Release Notes

Release Date

2016-04-14

Current Version

V6.15

Earlier Version

V6.11

What's New

- Increase production efficiency.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

13 V6.11 Release Notes

Release Date

2015-08-05

Current Version

V6.11

Earlier Version

V6.08

What's New

- Provides the KVM certificate with a signature of the third party.
- Prevents the repeated GUID random number.
- Disables SSL V3?and repairs its vulnerability.
- Ensures that the KVM console is compatible with the MacOS built-in browser Safari.
- Supports the BMC Web access mode whose login protocol switches from HTTP to HTTPS.
- Solves the problem that the automatic video function does not take effect.
- Solves the problem that the slot number is displayed incorrectly if DIMM000 and DIMM100 are installed.
- Logs out of FTP or SFTP automatically if no operation is performed within five minutes.
- Installs a patch to repair OpenSSH vulnerability (CVE-2007-2768) by upgrading OpenSSH to 6.8P1.
- Installs a patch to repair OpenSSH vulnerability (CVE-2015-0287, CVE-2015-0288, and CVE-2015-0285) by upgrading OpenSSH to 1.0.1m.
- Ensures that the KVM is compatible with French keyboard input.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

14 V6.08 Release Notes

Release Date

2015-02-27

Current Version

V6.08

Earlier Version

V6.05

What's New

- Upgraded Glibc components to solve the security vulnerability CVE-2015-0235.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

15 V6.05 Release Notes

Release Date

2015-02-12

Current Version

V6.05

Earlier Version

V6.01

What's New

- The BMC can analyze the specific cause for the alarm "CAT ERROR".
- The following problems are resolved:
 - The time is error when historical power information is downloaded.
 - DVD-ROM drive or FDD may not be detected in KVM encryption mode.
- The following problems are optimized:
 - BMC user name complexity check mechanism to solve the problem that "User added successfully" is wrongly displayed.
 - KVM and VMM encryption function for encrypting KVM and VMM independently.
 - IPMI process to solve the problem that garbled codes are displayed when IPMI 1.8.11 is used to query FRU information.
- Upgraded OpenSSH to 6.7p1 to solve the security vulnerability CEV-2014-2653 and to solve the problem that an SSH user account cannot be unlocked automatically when it is locked.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.
- The VMM function can only be enabled on the MM910 3.03 or later.

16 V6.01 Release Notes

Release Date

2014-12-01

Current Version

V6.01

Earlier Version

V5.26

What's New

- Adds the KVM and VMM encrypted transmission features which can be configured on the WebUI.
- Views the device SN in the SMBIOS information.
- The following problems are resolved:
 - There is a possibility that the power history displays 0.
 - There is a possibility that a false alarm, such as Hardware incompatibility detected displays.
- The following problems are optimized:
 - You can run the command set CLP on the command-line interface (CLI), and you are forbidden to use original commands in the system.
 - The default protocol type is https and RMCP+.
 - The progress information always displays 0% when users upgrade the CPLD and then the iMana.
 - When the CH242 V3 power exceeds 1530 W, the displayed power information is inaccurate.
- The OpenSSL components are updated to version 1.0.1j.

Precautions

- The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.

- The VMM function can only be enabled on the MM910 3.03 or later.

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V5.26 Release Notes

Release Date

2014-07-04

Current Version

V5.26

Earlier Version

V5.21

What's New

- The Intel DCM and Vcenter can connect to iMana at the same time.
- OpenSSL is upgraded to 1.0.1h.
- The following problems are resolved:
 - The keyboard and mouse may do not respond after Windows Server 2012 R2 restarts.
 - The remote KVM fails to load read-only shared documents.
 - There is a low probability that the stateless computing configuration fails to be delivered.

Precautions

The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.

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V5.21 Release Notes

Release Date

2014-05-08

Current Version

V5.21

Earlier Version

V5.13

What's New

- Virtual folders.
- Access management WebUIs using 64-bit browsers in 64-bit OSs
Supported OSs: Windows 7, Windows 8, Windows Server 2008, and Windows Server 2012
Supported browsers: Internet Explorer 8, Internet Explorer 9, Internet Explorer 10, Internet Explorer 11, Firefox 9.0, Firefox 23.0, CHROME 13.0, and CHROME 31.0
- The following issues are resolved:
 - Firefox and Chrome are incompatible with KVM shortcut keys.
 - The OpenSSL has the "HeartBleed" security vulnerability (CVE-2014-0160).

Precautions

The BIOS software and complex programmable logical device (CPLD) software must be upgraded together.

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V5.13 Release Notes

Release Date

2014-03-10

Current Version

V5.13

Earlier Version

None

What's New

This issue is the first official release.

Precautions

None