

CH242 V3 DDR4

BIOS V831 Release Notes

Issue	01
Date	2021-07-08



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1 V831 Release Notes

Release Date

2021-07-08

Current Version

V831

Earlier Version

V830

What's New

- Solved The BIOS breaks down after BIOS configurations are imported and exported in BMC.

Precautions

No.

2 V830 Release Notes

Release Date

2021-02-04

Current Version

V830

Earlier Version

V828

What's New

- SMI interrupt timeout optimization.

Precautions

No.

3 V828 Release Notes

Release Date

2019-06-11

Current Version

V828

Earlier Version

V821

What's New

- Solve the Intel CVE-2017-3736, CVE-2017-0739, CVE-2018-12126, CVE-2018-12127, CVE-2018-12130, CVE-2019-11091 security vulnerability.
- Solve the SA50043, SA50063, SA50064,SA50066 security vulnerability.

Precautions

No.

4 V821 Release Notes

Release Date

2018-10-23

Current Version

V821

Earlier Version

V817

What's New

- Set C3 to Disable in BIOS Performance mode.

Precautions

No.

5 V817 Release Notes

Release Date

2018-07-04

Current Version

V817

Earlier Version

V812

What's New

- Memory error handing optimization.
- Solve Intel CVE-2018-3639 Security Vulnerability.
- Solve Intel CVE-2018-3640 Security Vulnerability.

Precautions

No.

6 V812 Release Notes

Release Date

2018-04-11

Current Version

V812

Earlier Version

V810

What's New

- Supports sorting of network port names.

Precautions

No.

7 V810 Release Notes

Release Date

2018-03-01

Current Version

V810

Earlier Version

V805

What's New

- The microcode has been upgrade to HSW/BDW:11/2A to remove the Intel CVE-2017-5715 security vulnerability.

Precautions

No.

8 V805 Release Notes

Release Date

2017-11-20

Current Version

V805

Earlier Version

V800

What's New

- Integrated a patch to solve the CVE-2017-5703 security vulnerability of SIP.

Precautions

No.

9 V800 Release Notes

Release Date

2017-07-04

Current Version

V800

Earlier Version

V796

What's New

- Microcode are updated to the M80306F4_0000000F and MEF406F1_0B000021 versions.
- The NVME Support menu is added so that NVME SSD hot-swap can be enabled or disabled in the BIOS.
- The POST watchdog is disabled.
- The import and export conflict of stateless computing configurations is solved to prevent the repeated restart problem.
- QPI-related alarms are optimized. QPI alarms are reported when the link bandwidth is reduced.

Precautions

No.

10 v796 Release Notes

Release Date

2017-03-28

Current Version

V796

Earlier Version

V790

What's New

- The interrupt reporting mechanism for correctable errors is optimized to avoid interrupt storms.
- The Secure Boot function is optimized.
- Fault detection and reporting for LSI SAS3008 or SAS3108 controller cards are supported.
- BIOS configuration is not lost after BIOS software upgrade.

Precautions

No.

11 V790 Release Notes

Release Date

2017-01-12

Current Version

V790

Earlier Version

V778

What's New

- Broadwell EX MRC is updated to 3.6.
- Incorrect reporting of the DMI error "Completion with UR" in specific scenarios is solved.

Precautions

No.

12 V778 Release Notes

Release Date

2016-10-18

Current Version

V778

Earlier Version

V772

What's New

- Modified QPI registers based on the Intel requirements to improve QPI high temperature stability.
- Reported response warning code to the BMC during the memory isolation in the startup phase to facilitate problem locating.
- Changed the platform clock source from ACPI to OS random selection.
- Optimized the stateless computing solution . Optimized the start time.
- Updated the serial port redirection module to resolve some PCIe card suspension problems.

Precautions

No.

13

V772 Release Notes

Release Date

2016-08-30

Current Version

V772

Earlier Version

V678

What's New

- Intel E7 v4 Broadwell CPUs are supported.

Precautions

No.

14 V678 Release Notes

Release Date

2016-07-16

Current Version

V678

Earlier Version

V676

What's New

- Added the prompt displayed after pressing F12 during the POST phase..}
- On the BIOS Setup screen, if SB Persistent error is set to disable, Link fail Threshold is hidden..
- WHEA uncorrectable errors are not reported when correctable errors are generated for the onboard VGA of the PCH.
- Memory errors reported to the APEI table of the OS correspond to the silkscreen information of specific boards.
- On the BIOS Setup screen, the Cores Enabled and Multi-Threaded MRC menus are added.
- Added the prompt displayed after Quiet Boot is enabled in the BIOS.
- Changed SMBIOS type1 SKU to Type1Sku0, SMBIOS type1 Family to Type1Famliy, SMBIOS type2 CHASSIS to Type2-Board Chassis Location, and SMBIOS type3 SKU to Type3Sku1.
- Configure SMBIOS type3 Chassis to be obtained from the BMC. When the BIOS fails to obtain the value, the default value Main Server Chassis is used.
- Added help information about VGA parameter in the BIOS Setup to notify users about the risks of setting the parameter to UEFI.
- Modified the UEFI resolution in the BIOS to solve the fuzzy screen issue in RHEL 6.6 UEFI mode.
- Optimized the correctable ECC memory error count algorithm.

- Solved the slow system response in Windows Server 2012 after Hyper-V is installed.
- Optimized the BIOS upgrade scheme so that the customized logo remains unchanged after an upgrade.
- Optimized stateless computing so that the CLP is not restarted when no NICs are configured with stateless computing.

Precautions

None

15 V676 Release Notes

Release Date

2016-03-11

Current Version

V676

Earlier Version

V629

What's New

- There is a possibility that WWPNS fail to be sent using the stateless computing function.
- Optimized the fault diagnosis function to enable users to correctly locate faulty components.

Precautions

None

16 V629 Release Notes

Release Date

2015-12-27

Current Version

V629

Earlier Version

V620

What's New

- "Configuration error" alarms are not reported when correctable CRC errors are generated.

Precautions

None

17 V620 Release Notes

Release Date

2015-08-28

Current Version

V620

Earlier Version

V611

What's New

- Support Chinese Language in BIOS Setup.

Precautions

None

18 V611 Release Notes

Release Date

2015-07-07

Current Version

V611

Earlier Version

None

What's New

- This issue is the first official release.

Precautions

None