

IPMI Firmware / BIOS Release Notes Form

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Product Name	H12SSL-i/C/CT/NT
Release Version	1.04.03
Release Date	03/13/2024
Previous Version	1.01.10
Update Category	Recommend
Dependencies	N/A
Important Notes	For Milan-X processor support (EPYC 7003x series), please use the version equal or higher than 1.01.04
Enhancements	1. The min support protocol is SMBv1.0, the max support protocol is SMBv3.02. Mount command argument "vers=" will try 3.02, 3.0, 2.1, 2.0, 1.0 sequentially 2. [299][MultVM] Virtual media support 3 CD/FLOPPY image mounting
New features	N/A

Fixes	1. [171331] Redfish ATT failed 2. Fix CVE-2023-4879 Terrapin Attack 3. (CVE-2023-48795) SMC-2024010013 Terrapin Attack vulnerability-SMC-2024010010 Command Injection attack/ SMC-2024010011 XSS attack 4. (CVE-2023-33413) SMC-2024010012 Command Injection attack 5. [167671] STD -- 18379 -- 01.03.00(12/01/2023) -- MEL-0144 Only create 'configured' log for new SMTP Sender's Address but lack 'removed' log when SMTP Sender's Address changed 6. [167662] ECO -- 18379 -- 01.03.00(12/01/2023) -- Dynamic DNS is able to save setting when 'BMC Hostname' is empty [167591] ECO -- 16914 -- 01.03.10(20231203) -- Dynamic DNS is able to save setting when 'BMC Hostname' is empty 7. Web show incorrect new version when update BIOS 8. [15509] ECO--18379--01.01.10(03/23/2023)--Mount ISO will prompt inconsistency message and tips when license key doesn't activate. (http)
1.01.10 (03/23/2023) 1. Add VRM block mechanism. 2. [154300] ECO --18379 -- 01.01.09 (02/22/2023) -- WEB -- Should not generate MEL Log when no do anything. (Network) 3. [154301] ECO --18379 -- 01.01.09 (02/22/2023) -- WEB -- No relate MEL Log when set Mouse Mode. 4. [154302] ECO --18379 -- 01.01.09 (02/22/2023) -- WEB -- Invalid Sensor name 5. [149990] [ROT-0004] [BMC] I2C Channel attack is prevented - Assertion (Event LOGS) 6. [154299] ECO --18379 -- 01.01.09 (02/22/2023) -- WEB -- SNMPv2 Name Special Chars Checking Rule is not match with SPEC. 7. [150906] ECO --18379 -- 01.01.08 -- It's not work when search keyword by "State" at "Task List" 8. [146502] ECO -- 18379 -- 01.01.07 (09/08/2022) -- [SUM] TC4028 BiosRotManage Test Fail:"Current sensor" does not contain below data[31] 9. [146501] ECO -- 18379 -- 01.01.07 (09/08/2022) -- [SUM] Some Test case happen Fail,ExitCode = 120:Invalid Redfish response; This platform not support redfish API 10. [146497] ECO -- 18379 -- 01.01.07 (09/08/2022) -- [Web Function] VLAN ID default value should be preset to 1 not 0 Copy Project Issue Link 11. [142721] ECO-16773-01.01.06(05/24/2022)--IPMI config reload process actual time is not match on message. 12. [141785] STD -- 16773 -- 01.01.06 -- [Web Function] "NetworkProtocol Status Checking" not have MEL ID 13. [141784] STD -- 16773 -- 01.01.06 -- [Web Function] Login User Privileges account,should be disable while Connection Protocol and Authentication on SMTP	

1.01.06 (05/24/2022)

1. [Storage:Broadcom] 1. Apply BPN(45bays or 60 bays) detection to X12SPI & H12SSL.
2. [139850] (X12STL2.408, sum) Test case 373 - In-Band - Test "Change LAN via BMC configuration" fail. [139848] SUM test case 373 fail. [139847] [SUMECO] Test case 373 – In-Band - Test "Change LAN via BMC configuration" fail, due to BMC LAN cannot be modified.
3. [138757] ECO--18488-- 00.14.02(03/08/2022) -- Disable "IP Access Control" should be preserve data and grayed out
4. Fix AST2500 AMD platform doesn't copy empty fru data from FRU1 to FRU0
5. [138152]STD -- 16773 -- 01.01.04 -- [SUM] TC244?333?433 GetGpulInfo show "error ExitCode = 149,Get wrong completion code. B0"

1.01.04 (02/15/2022)

1. [136776] STD -- 18379 -- 01.01.02(20220107) -- When FRU(BM/BS/BP) is empty, FRU didn't sync from FRU1(BM/BS/BP) after reboot.
2. Fix SNMP setting is abnormal.
3. [136773] STD -- 18379 -- 01.01.02(20220107) -- Mount *.img display wrong file type on mounted information.(Floppy Disk)
4. [136776] STD -- 18379 -- 01.01.02(20220107) -- When FRU(BM/BS/BP) is empty, FRU didn't sync from FRU1(BM/BS/BP) after reboot.
5. [136784] STD -- 18379 -- 01.01.02(20220107) -- WEB GUI add User more than maximum & invalid input return unexpected error message
6. [H12SSL] Support Boardcom AOC 38xx/39xx via I2C mode, Fix PB issue [129742][132456][132643][132878][133255][133264][133367][134155]
7. Adjust AMD CPU temperature unr/ucr to 100
8. [134275] STD -- 18379 -- 01.00.35 -- [SMCIPMITOOL] can't ADD User account
9. [134290] STD -- 18379 -- 01.00.35 -- [SMCIPMITOOL] can't delete User account
10. [134295] STD -- 18379 -- 01.00.35 -- [Redfish] DELETE Valid account at uri. but checking status code is 200
11. [135208] STD -- 18379 -- 01.01.00(12/03/2021) -- SMCIPMITool couldn't set DDNS state to enable/disable
12. [135209] STD -- 18379 -- 01.01.00(12/03/2021) -- Account ADMIN couldn't switch to LDAP/Radius directory service after login with AD account
13. [135212] STD -- 18379 -- 01.01.00(12/03/2021) -- PSUinfo doesn't appear at Web UI
14. [135217] STD -- 18379 -- 01.01.00(12/03/2021) -- Enable NTP server will pop twice message.
15. [135220] STD -- 18379 -- 01.01.00(12/03/2021) -- Virtual Floppy can't upload .ima file but ikvm/HTML5 virtual media could
16. [133367] [AOC Compatibility] IPMI dashboard healthy show red when insert AOC-S3916L-H16IR-32DD

17. [133264] [AOC Compatibility] There is no AOC_SAS_Temp and HDD_Temp in IPMI Sensor Reading when insert AOC-S3808L-L8IT
18. [133255] [AOC Compatibility] After create RAID via Web UI, the behavior of PD per Span are not match
19. [132878] [AOC Compatibility-AOC-S3816L-L16IT] There is no AOC_SAS_Temp in IPMI Sensor Reading when insert AOC-S3816L-L16IT
20. [132643] [AOC Compatibility] After create RAID via Web UI, the behavior of PD per Span are not match
21. [132456] [AOC Compatibility-AOC-S3908L-H8IR-16DD] There is no AOC_SAS_Temp in IPMI Sensor Reading when insert AOC-S3908L-H8IR-16DD
22. [129742] Storage Monitoring does not display drives and SAS 3916 info
23. [128124] No Storage Monitoring for AOC-SLG4-2E4T & 4E4T

1.00.35 (09/22/2021)

1. [129981] STD -- 17212 -- 01.00.14 -- Anonymous account or null value can be created on X11 and X12. [130390] STD -- 17212 -- 09.11.50 BETA -- [Security] Buffer overflow in ipmi_lan ASF protocol.[130823] BETA -- 17212 -- 07.30.31 -- [Security] resolv.conf won't be deleted, it may cause a potentially DNS Hijacking.

1.00.34 (05/19/2021)

1. [121298] STD-18380 -- 01.00.21(12/18/2020) M-b~@~S Button is enabled for operator user for SSDP and SSL Certificate
2. [125298] Error message pop up after modified web port
3. [124686] STD -- 01.00.28 -- Incorrect prompt message when set NTP Server with valid value
4. Fix bios backup, golden, and staging image of inventory show not present with AMD Milan CPU

1.00.32 (02/25/2021)

1. Add support to AMD GPU MI100 A2, remove MI100 A1
2. Add support to AMD GPU V520
3. Add support get HBM temp for AMD GPU MI100 A2
4. When only one PSU, system will be throttle
5. Add support GPU Nvidia A40
6. [119740] Bios version in firmware inventory and smcfirmware inventory use different string. (Rev / Ver).
7. Support NVIDIA RTX A6000
8. Add E810XXV chipset into PLDM support list
9. [121272] [IPMI ECO] Redfish ATT failed. [121561] [IPMI ECO] SUM ECO ATT failed.

10. [121906] SMT_H12AST2500_ROT_RSA4K_010029P-- Incorrect display of "Category" when sorting on MEL page. [121904] SMT_H12AST2500_ROT_RSA4K_010029P-- Incorrect Prompts when enabling NTP, [121866] SMT_H12AST2500_ROT_RSA4K_010029P-- Incorrect Prompts after modifying NTP Server, [121479] [BMC event] Severity of "System NIC (0) IPv6 IP Change" should be Warning not OK on the H12SSW-NTR, [121833] [DVT] When AC on, IPMI sel log will appear "[OEM] [BIOS] SPI Channel attack is prevented - Assertion"
11. [105659] [DVT] NVMe ejected randomly during IPMI onoff test
12. [116224] [IPMI:1.00.17] IPMI execution failed in run IPMI ECO Automation.
13. [113790] IPMI ECO automation test failed.
14. [113613] [ROT] BIOS recovery event log display twice in SEL on IPMI v1.0.8
15. [109736] [SUM] got the fail results via SMSTC of the H12SSW-NTR
16. [105730] SATC redfish automation standard mode test fail
17. [115545] OEM -- 9169-- 6.00.11 -- Wrong popup message displayed.
18. Fix AMD MI100 A2 read Temp error
19. [116699][SMCIPMITool_2.24.0_b200904] ikvm fail on the some RoT projects.(ex: H12SSW-NTR) but Non-RoT ones pass.
20. [119014][OKAYA_BIOS] Sometimes system will get "CPU1 Temp - Processor automatically throttled - Assertion".
21. [118852]Set up IPMI login password with "\" character and user cannot login
22. [118700][OKAYA_BIOS] IPMI Web GUI will get error message from NVMe device during DC on/off testing.
23. [117484] Alert LED will keep blinking when power state was recovered
24. [116737] [ECO]It takes long time to detect FAN failure when FAN connector was disconnected.
25. [116732][ECO]It takes long time to trigger Alert LED when IPMI detect power failure
26. [121181] [Nagios_v110_b2001209] de-assertion event not received while plugging back the FAN cable on the H12SSW-NTR but x12spz works fine (fixed by FW SMT_X12AST2600_ROT_001078p)
27. Bring H12SSL from branch to the main trunk and fixed the following PB issues: [121130] [DVT] IPMI web GUI change fan mode, sometimes can't change, [120119] ECO-- SMT_H12AST2500_ROT_RSA4K_010026P-- Prompt doesn't match behavior after modifying/deleting default ADMIN user, [120117] ECO-- SMT_H12AST2500_ROT_RSA4K_010026P-- Configuration cannot be fully restored, [120067] ECO--SMT_H12AST2500_ROT_RSA4K_010026P-- User is unable to enter at the maximum of 16 characters, [120066] ECO--SMT_H12AST2500_ROT_RSA4K_010026P-- Uncheck all the category still can display all event logs after searching, [120057] ECO-- SMT_H12AST2500_ROT_RSA4K_010026P-- No thresholds for Fan on WebGUI
28. Replace GPIO AA3 to E7 to fix HW issue that can't receive reset when bios disable SMT control.
29. FAN1 & FAN2 speed sensor reading are not in range
30. Add support nVidia A100 GPU card

31. Remove license check for mouse mode

32. [117226] IPMI SEL During Cburn DC On/Off