

## BMC FW Release Notes Form

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<b>Product Name</b>	<b>X12DSC-A6</b>
<b>Release Version</b>	<b>01.04.08</b>
<b>Release Date</b>	<b>08/28/2024</b>
<b>Build Date</b>	<b>06/17/2024</b>
<b>Previous Version</b>	<b>01.01.34</b>
<b>Update Category</b>	<b>Critical</b>
<b>Dependencies</b>	<b>None</b>
<b>Important Notes</b>	<b>None</b>
<b>Enhancements</b>	<b>None</b>
<b>New features</b>	<b>None</b>
<b>Fixes</b>	<b>1.[155644] ECO -- 20899 -- 01.00.48 -- [MEL] MEL log Description not quite match SNMPv3 Auth Protocol/ Private Protocol 2.[154331] [16721 -- ECO -- IPMI 01.01.24] Successfully deleting IPv6 DNS will always create a "IPV6 DNS server 0:0:0:0:0:0:0:0 was deleted unsuccessfully" entry in the Maintenance Event Log 3.[155126] ECO -- 18379 -- 01.01.11 -- DDNS can send multiple requests</b>

simultaneously that cause switchers out of shape

4.[152359] STD -- 16914 -- 01.01.38 (2023/01/04) -- Radius packet not follow RFC2865

5.[153419] STD -- 17212 - 01.00.42 - [Security] Global buffer read overflow at X13 and X12 redfish

(/redfish/v1/Chassis/NVMeSSD.0.Group.0.StorageBackplane/Drives/Disk.Bay.{num})

6.[155021] Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration fails to switch on once switch off

7.[154317] ECO -- 21603 -- 01.00.15(02/24/2023) -- Function-- Able to click blink or insert HDD button when system lockdown mode. [153387] ECO -- 18380 -- 1.01.11 -- System Lockdown SystemLockdown Storage Monitoring Physical View Eject / Insert button is not disabled

8.[153407] ECO--20899--01.00.44(02/03/2023)--It's a conflict checking rule on "Remote User" and "Remote Groups" while click on "Save" button in AD/LDAP.

9.[152308] STD -- 16914 -- 01.01.38 (2023/01/04) -- Syslog packet not follow RFC3164 Copy Project Issue Link

10.[154316] ECO -- 21603 -- 01.00.15(02/24/2023) -- Function-- Syslog packet not follow RFC3164

11.[154318] ECO -- 21603 -- 01.00.15(02/24/2023) -- GUI -- No popout error message when typ the wrong string at SNMPv2 Name field.

12.[155731] Redfish Automation 1 failed

13.[155021] ECO -- 16914 -- 01.01.41 -- Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration fails to switch on once switch off

14.Better compatibility with IPMIECO TC0002, 2036, TC2063, TC2076.

15.Disable TLSv1.0 and TLSv1.1

16.[151066] STD -- 20122 -- 01.13.08 -- Sensor naming not match with sensor specification

17.[Enhancement] Modify Dedicated Link options: Add 1G Full and remove

10M Half/Full except X12STD-F and X12STE-F. \* X12STD-F Dedicated Link is fixed in Auto Negotiation. \* X12STE-F Dedicated Link is fixed in 1G Full.

18.[156362] ECO -- 16914 -- 01.01.43 -- Sensor name Expander Temp should be Expander1 Temp

19.[156015] ECO -- 16914 -- 01.01.43 -- UI Dashboard BIOS Firmware Version shows as 1.4b when it should be 1.5

20.[156317] STD -- 18605 -- 01.01.13 (20230426) -- Component Info: Expanded PSU Table Text Inconsistency

21.[155317] ECO -- 16914 -- 01.01.39(02/28/2023) -- SUM tool couldn't get BIOS build date, but web and SMCIPMITool show normally

22.[156190] ECO -- 20899 -- 01.00.52 --Fail to add valid Prefix length128 for Static Route List

23.[156182] No MEL log after configure the Mouse Mode setting

24.[155123] [IPMI 01.00.07] Sensor reading not match with SPEC.(Supermicro\_BMC\_Sensor\_Naming\_Guideline\_2.4\_Draft\_03062023.xlsx)

25.[161863] ECO -- 16914 -- 01.01.44 -- SUM Test case fails: 0030 - Ping BMC IP from SUT with different LAN interface.

26.[164404] [IPMI ECO 01.03.07] UID LED should be blinking but keep solid on when use WebUI UID Control

27.Fix fanFAIL feature broken from 01.03.01 to 01.03.06.

28.[158276] Redfish Hostname special characters support

29.2022/Q1\_Q2 Phase 1 (Ticket #299-00-220311-001) (<http://superform.supermicro.com/Home/WorkFlow/eForm/Preview?docId=c37217ed-e3d3-4915-a8b9-39c1b7b6098d>)

30.2021/Q1\_Q2 (Ticket #299-00-210204-001) for IPv6 (<http://superform.supermicro.com/Home/WorkFlow/eForm/Preview?docId=527f1ee9-6f6e-4546-a475-e02f1b737b4b>)

31.[157552] Downgrade from BIOS1.3 to BIOS1.1, BIOS shown correct, but IPMI web still show BIOS1.3

32.Support IPv6 enhancement spec. (Proposal for BIOS-BMC IPv6

inconsistency\_V11.pptx)

- 33.[157570] [IPMI 01.01.04] Redfish SATC automation test has failed.
- 34.[153153] New Feature --21992 -- 09.01.01 -- [Kendo] Health status of task list is not complete when zoom in from 75% to 200%
- 35.[153067] New Feature--18367--09.02.15(02/14/2023)--[Kendo]DDNS upload invalid key help tips is overlap when zooming to 200%.
- 36.[153097] New Feature --21992 -- 09.01.01 -- [Kendo] NTP server error message will exceed the fram and overlap with side bar when zoom in from 100%
- 37.OEM-Telus -- 19018 -- 11.03.32 (06/26/2023) -- WEB -- BMC version is incorrect in troubleshooting Log.
- 38.[157516] ECO -- 21603 -- 01.00.19 (2023/05/26) -- GUI -- HDD info lines is not aligned at Physical View
- 39.[157552] Downgrade from BIOS1.5 to BIOS1.1, BIOS shown correct, but IPMI web still show BIOS1.5
- 40.2021/Q1\_Q2 (Ticket #299-00-210204-001) (<http://superform.supermicro.com/Home/WorkFlow/eForm/Preview?docId=527f1ee9-6f6e-4546-a475-e02f1b737b4b>)
- 41.[153113] New Feature --21992 -- 09.01.01 -- [Kendo] Upload invalid IPMI Configuration file help tips is overlap when zoom in to 200%
- 42.[153069] New Feature --21992 -- 09.01.01 -- [Kendo] Power consumption is not complete when zooming from 110%
- 43.Support both CDC-ECM and RNDIS at the same time.
- 44.[299 Phase 1] Disable IPMI Lan Port Interface
- 45.[299][MultVM] Virtual media support 3 CD/FLOPPY image mounting
- 46.[Enhancement][Account Services][LDAP] Support StartTLS.
- 47.[299 Phase 1] HTML5 Console as default
- 48.[299 Phase 1] Dual mode for network setting as default
- 49.[164440] BMC:01.00.12 does not support IPMI temperature sensor reading of AOC-LPE32002-M2 [164133] BMC:01.00.12 does not support IPMI temperature sensor reading of AOC-LPE35002-M2 [161980] AOC-QLE2692SR

	<p><b>don't have temperature in IPMI</b></p> <p><b>50.[157357] [16728 -- ECO -- 01.01.44] Changing Mouse Mode in iKVM generates increasing amounts of Maintenance Event Log entries</b></p> <p><b>51.bmc fwUP between 01.04 and 01.03 introduces "Compromised" MEL message.</b></p> <p><b>52.Fix CVE-2023-4879 Terrapin Attack.</b></p> <p><b>53.(CVE-2023-48795) SMC-2024010013 Terrapin Attack vulnerability SMC-2024010010 Command Injection attack SMC-2024010011 XSS attack</b></p> <p><b>54.(CVE-2023-33413) SMC-2024010012 Command Injection attack</b></p> <p><b>1.Follow all properties, and structures in the wiki</b>  <b>(<a href="https://wiki.supermicro.com/index.php/NS_SWPM:SW_PM/RedfishAPIList/X12">https://wiki.supermicro.com/index.php/NS_SWPM:SW_PM/RedfishAPIList/X12</a>)</b></p> <p><b>55.Auto daylight saving function</b></p>
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**Release Notes from Previous Release(s)**

**01.01.34 (04/13/2023)**

- 1.i2cmap protection review
- 2.Improve the stability of bios related ROT operations.
- 3.Avoid ME hang during bios-cloning-GOLDEN operation

**01.01.24 (07/01/2022)**

- 1.During bmc fwUP, keep fan speed. During bmc reset, keep fan speed.
- 2.Add option in BMC UI to create disabled user or edit user to disable.
- 3.Support Preserve BIOS Boot Options Configuration when updating BIOS FW.
- 4.Support new group sensor design
- 5.Max number of SEL up to 4096. 1.[137924] STD -- 16416 -- 01.01.22 (2022/02/15) -- Add SNMP type user Not have \* to inform Auth Key and Private Key are required items
- 6.[138264] ECO -- 16774 -- 01.01.16 (2022/02/15) -- Language Change title string not translated
- 7.Improve PSU initialization code, add delay and retries.
- 8.[137300] ECO--15340-- 01.01.13(01/27/2022) -- Create new user on web UI should not get error, even though the user ID is occupied on NoAcces user.
- 9.[138110] ECO--15340-- 01.01.16 (02/15/2022) -- It should not present "Delete" icon while login "Operator" or "User" privileges account. [138112] ECO--15340-- 01.01.16 (02/15/2022) -- Modify password while login "Operator" or "User" privileges account will return Oops error!
- 10.No GPU found on WEB BMC
- 11.[137368] [ECO -- 10349 -- 01.01.13 (20220127) -- Mount failed pop up error message and Even log are incorrectly
- 12.[137442] ECO -- 15338 -- 01.01.13(20220127) -- Mount \*.img display wrong file type on Java iKVM Virtual Media
- 13.[137357] ECO -- 17274 -- 01.01.13(01/27/2022) -- Update invalid FW will show MEL message when update BIOS and CPLD
- 14.[136988] IPMI ECO] Unspecified Event Log Assertion When AC ON

15.[136663] ECO -- 17046 -- 08.10.19 (01/07/2022) -- iKVM(JAVA plug-in/HTML5) should be support IMA file type. [137280] ECO--15340-- 01.01.13(01/27/2022) -- iKVM(JAVA plug-in) should be support "IMA" image.

16.[137087] GPUs missing under GPU tab in IPMI Web GUI [137010] GPU and CPU liquid cooling pump SEL error in Liquid cooled system, and no GPUs detected

17.All Broadcom AOC controllers such as 3008, 3616, 38xx and 39xx will not been discovered.

18.[136607] IPMI ECO Update BIOS failed

19.Storage feature broken in 01.01.10.

20.STD -- 17212 -- 01.01.04 -- [Security] Specific strings could brute force the BMC directory.

21.[135002] STD -- 17212 -- 09.14.10 BETA -- [Security] ipmitool can set lan mode out of range

22.[134964] [BMC-Intel VROC 7.5 OOB] Please grey out "Create Raid" icon if no more physical drive available to create new Raid volume.

23.[134545] STD-- 18379 -- 01.01.00-- Function -- Can't sync NTP server when BMC has IPv6 DNS

24.[134183] STD -- 17212 -- 01.01.08 -- Password goes wrong when contains \

25.[134282] STD -- 17212 -- 01.01.08 -- [Security] XSS attack at Notification Alert Redfish protocol

26.[132658] - The fan curve on Barlow Pass DCPMM is incorrect.

27.System with AST2600 have hang issue when running DC on/off testing with Red hat 8.3, We find the eSPI will hang after system hang, Aspeed provide us to clear 0x1e6ee080 bit 30 to 0.

28.[131058] STD -- 17212 -- 01.00.16 BETA M-b~@~S [Security] 500 Internal error at /redfish/v1/Systems/1/SecureBoot/Actions/SecureBoot.ResetKeys [131061] STD -- 17212 -- 01.00.16 BETA M-b~@~S [Security] 500 Internal error at /redfish/v1/Managers/1/LicenseManager/ActivateLicense

29.[132353] [Re-open BMC-Intel VROC 7.5 OOB] IPMI WEB GUI -> VROC controller information and logical devices information are not showing in storage page

30.Better compatibility with latest SUMECO

31.[139329][DVT SYS-F511E2-RT] Judgment mechanism for network AOC health status

32.[139811] STD --18605 --X12DGO -- 01.01.04 -- Inconsistent behavior between BMC and BIOS manually Recover

33.[135651] STD -- 17212 ?V 09.14.10 BETA ?V [Security] Maintenance event log display error at /cgi/op.cgi (config\_smtp)

01.00.25 (12/03/2021)

1. First Release.