

BIOS Release Notes Form

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Product Name	X12DPG-U6
Release Version	01.03.13
Release Date	3/15/2024
Build Date	2/2/2024
Previous Version	01.01.45
Update Category	Critical
Dependencies	None
Important Notes	None
Enhancements	1.2021/Q1_Q2 (Ticket #299-00-210204-001) for IPv6 (http://superform.supermicro.com/Home/WorkFlow/eForm/Preview?docId=527f1ee9-6f6e-4546-a475-e02f1b737b4b) 2.2021/Q1_Q2 (Ticket #299-00-210204-001) (http://superform.supermicro.com/Home/WorkFlow/eForm/Preview?docId=527f1ee9-6f6e-4546-a475-e02f1b737b4b) 3.Support both CDC-ECM and RNDIS at the same time. 4.[299][MultVM] Virtual media support 3 CD/FLOPPY image mounting 5.[Enhancement][Account Services][LDAP] Support StartTLS. 6.[299 Phase 1] HTML5 Console as default 7.[299 Phase 1] Dual mode for network setting as default

	8.[Enhancement] Modify Dedicated Link options: Add 1G Full and remove 10M Half/Full execept X12STD-F and X12STE-F. * X12STD-F Dedicated Link is fixed in Auto Negotiation. * X12STE-F Dedicated Link is fixed in 1G Full.
New features	1.2022/Q1_Q2 Phase 1 (Ticket #299-00-220311-001) (http://superform.supermicro.com/Home/WorkFlow/eForm/Preview?docId=c37217ed-e3d3-4915-a8b9-39c1b7b6098d) 2.Support IPv6 enhancement spec. (Proposal for BIOS-BMC IPv6 inconsistency_V11.pptx) 3.[299 Phase 1] Disable IPMI Lan Port Interface
Fixes	1.[161863] ECO -- 16914 -- 01.01.44 -- SUM Test case fails: 0030 - Ping BMC IP from SUT with different LAN interface. 2.[164404] [IPMI ECO 01.03.07] UID LED should be blinking but keep solid on when use WebUI UID Control 3.[158276] Redfish Hostname special characters support 4.2021/Q1_Q2 (Ticket #299-00-210204-001) for IPv6 (http://superform.supermicro.com/Home/WorkFlow/eForm/Preview?docId=527f1ee9-6f6e-4546-a475-e02f1b737b4b) 5.[157570] [IPMI 01.01.04] Redfish SATC automation test has failed. 6.[153115] New Feature --21992 -- 09.01.01 -- [Kendo] Upload invalid Device 0 file help tips is overlap when zoom in to 125% with 14" inch and 175% & 200% with 22" inch 7.[153153] New Feature --21992 -- 09.01.01 -- [Kendo] Health status of task list is not complete when zoom in from 75% to 200% 8.[153067] New Feature--18367--09.02.15(02/14/2023)--[Kendo]DDNS upload invalid key help tips is overlap when zooming to 200%. 9.[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% 10.OEM-Telus -- 19018 -- 11.03.32 (06/26/2023) -- WEB -- BMC version is incorrect in troubleshooting Log.

	11.[157516] ECO -- 21603 -- 01.00.19 (2023/05/26) -- GUI -- HDD info lines is not aligned at Physical View 12.[157552] Downgrade from BIOS1.5 to BIOS1.1, BIOS shown correct, but IPMI web still show BIOS1.5 13.[153113] New Feature --21992 -- 09.01.01 -- [Kendo] Upload invalid IPMI Configuration file help tips is overlap when zoom in to 200% 14.[153069] New Feature --21992 -- 09.01.01 -- [Kendo] Power consumption is not complete when zooming from 110% 15.[168124] ECO -- 16914 -- 01.03.10(20231203) -- Definition of wiki SPEC [MEL-0225] now is not match with actual WEB option naming 16.[165249] ECO -- 20899 -- 01.01.06 -- When license is required, clicking No or Cancel redirects to dashboard. Should stay on same page. 17.[168123] ECO -- 16914 -- 01.03.10(20231203) -- [MEL-0250] is logged when setup Radius (Active Directory is disabled) 18.[169690] ECO -- 22739 -- 01.01.11(2023/11/28) -- Web -- Network page can save Class D and Class E ipv4 addresses [169164] ECO -- 16914 -- 01.03.11 -- Network IPv4 DNS Server IP and DNS Server IP 2 can save as reserved addresses: ['0.0.0.0', '0.123.123.123', '0.255.255.255', '224.0.0.0', '234.3.2.1', '255.255.255.255'] 19.[170114] STD -- 21386 -- 01.01.07 -- BMC WEB Dashboard does not display all IPv6 addresses in the IPv6 Address list if more than 6 addresses are configured 20.[160394] ECO -- 16914 -- 01.03.03(07/14/2023) -- GUI -- Virtual Media "Verify SSL Certificate" checkbox isn't checked by default 21.[170028] ECO — 16914 — 01.03.11(12/20/2023) — [Function] — Server Address field can fill in over 255 characters which is not match with the Spec defined.(AD and LDAP) 22.[169928] ECO -- 16914 -- 01.03.11(20231220) -- set SMTP Server Address as '0.0.0.0', return config is set successfully and MEL be logged, but setting actually fail
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Release Notes from Previous Release(s)

01.01.45(10/23/2023)

- 1.[155644] ECO -- 20899 -- 01.00.48 -- [MEL] MEL log Description not quite match SNMPv3 Auth Protocol/ Private Protocol
- 2.[155126] ECO -- 18379 -- 01.01.11 -- DDNS can send multiple requests simultaneously that cause switchers out of shape
- 3.[152359] STD -- 16914 -- 01.01.38 (2023/01/04) -- Radius packet not follow RFC2865
- 4.[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})
- 5.[155021] Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration fails to switch on once switch off
- 6.[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
- 7.[153407] ECO--20899--01.00.44(02/03/2023)--It's conflict checking rule on "Remote User" and "Remote Groups" while click on "Save" button in AD/LDAP.
- 8.[152308] STD -- 16914 -- 01.01.38 (2023/01/04) -- Syslog packet not follow RFC3164 Copy Project Issue Link
- 9.[154316] ECO -- 21603 -- 01.00.15(02/24/2023) -- Function-- Syslog packet not follow RFC3164
- 10.[154318] ECO -- 21603 -- 01.00.15(02/24/2023) -- GUI -- No popout error message when typ the wrong string at SNMPv2 Name field.
- 11.[155731] Redfish Automation 1 failed
- 12.[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
- 13.Better compatibility with IPMIECO TC0002, 2036, TC2063, TC2076.
- 14.[151938] ECO--16914--01.01.34(11/05/2022)--"Syslog Server" and "Port" help tips should be translated to Simplified Chinese and Japanese.
- 15.Disable TLSv1.0 and TLSv1.1
- 16.[151066] STD -- 20122 -- 01.13.08 -- Sensor naming not match with sensor specification
- 17.[156015] ECO -- 16914 -- 01.01.43 -- UI Dashboard BIOS Firmware Version shows as 1.4b when it should be 1.5
- 18.[155317] ECO -- 16914 -- 01.01.39(02/28/2023) -- SUM tool couldn't get BIOS build date, but web and SMCIPMITool show normally
- 19.[156190] ECO -- 20899 -- 01.00.52 --Fail to add valid Prefix length128 for Static Route List
- 20.[156182] No MEL log after configure the Mouse Mode setting
- 21.[155123] [IPMI 01.00.07] Sensor reading not match with SPEC.(Supermicro_BMC_Sensor_Naming_Guideline_2.4_Draft_03062023.xlsx)

01.01.37(01/18/2023)

- 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
- 2.[138264] ECO -- 16774 -- 01.01.16 (2022/02/15) -- Language Change title string not translated
- 4.[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.
- 5.[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!
- 6.[137093][Redfish API Automation test failed]
- 7.[137368] [ECO -- 10349 -- 01.01.13 (20220127) -- Mount failed pop up error message and Even log are incorrectly

8.[137442] ECO -- 15338 -- 01.01.13(20220127) -- Mount *.img display wrong file type on Java iKVM Virtual Media

9.[137357] ECO -- 17274 -- 01.01.13(01/27/2022) -- Update invalid FW will show MEL message when update BIOS and CPLD

10.[136988] IPMI ECO] Unspecified Event Log Assertion When AC ON

11.[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.

12.[136607] IPMI ECO Update BIOS failed

13.Add option in BMC UI to create disabled user or edit user to disable.

14.Storage feature broken in 01.01.10.

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

16.[135002] STD -- 17212 -- 09.14.10 BETA -- [Security] ipmitool can set lan mode out of range

17.[134964] [BMC-Intel VROC 7.5 OOB] Please grey out "Create Raid" icon if no more physical drive available to create new Raid volume.

18.[134545] STD-- 18379 -- 01.01.00-- Function -- Can't sync NTP server when BMC has IPv6 DNS

19.[134183] STD -- 17212 -- 01.01.08 -- Password goes wrong when contains \

20.[134282] STD -- 17212 -- 01.01.08 -- [Security] XSS attack at Notification Alert Redfish protocol

21.Support Preserve BIOS Boot Options Configuration when updating BIOS FW.

22.Max number of SEL up to 4096.

23.[139329][DVT SYS-F511E2-RT] Judgment mechanism for network AOC health status

24.[139811] STD --18605 --X12DGO -- 01.01.04 -- Inconsistent behavior between BMC and BIOS manually Recover

25.[135651] STD -- 17212 ?V 09.14.10 BETA ?V [Security] Maintenance event log display error at /cgi/op.cgi (config_smtp)

26."M2_SSD Temp" should be "M2SSD Temp", which follow Supermicro_BMC_Sensor_Naming_Guideline_2.1.xlsx.

27.[140173] STD -- 17212 -- 01.01.16 -- [Security] Special query caused 500 Internal Server Error at X12 redfish (\$expand).

28.[139748][X12DPG-U6][IPMI ECO 01.01.17] Redfish compare sensor info failed with smcipmitool.

29.[142830] Standard -- 16914 -- 1.1.23 -- Active Directory Remote Group character cap too short

30.Improve bmc boot stability

31.[142091] ECO -- 16914 --01.01.17(2022/03/04) -- VROC RAID status still show ok When RAID is degrade.

32.Improve the stability of bios related ROT operations.

33.Avoid ME hang during bios-cloning-GOLDEN operation

34.i2cmap protection review

01.00.21(10/22/2021)

1.Better compatibility with redfish ATT, after applying the security patches.

2.[129981] Creation and activation of a null user and password

3.[130474] BMC crash and forceful restart caused by malicious data transmission

4.Configurations in "resolv.conf" file cannot be reset after BMC is restored to the factory default setting

5.TEE OS 0x42 error message on IPMI MEL doesn't match with "Kernel code segment (offset: ##) was compromised

6.Remove Remove Chassis Intru SDR.

7.Fix SUM inband feature broken

8.[131124][X12DPG-U6]CPU node will loss BMC connection if cold reset CarrierBoard BMC in system without AIOM.

9.[130982] ECO -- 20033 -- 01.00.39 BETA (09/11/2021) -- NTP show fail message after setting
10.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.
11.[132314] WebGUI does not show the motherboard name in the dashboard after updating the BIOS and BMC
12.[X12DPG-U6]CPU node will loss BMC connection if Carrier Board RJ45 link down and change network segment.

01.00.18 (09/08/2021)

1.Shouldn't allow user to set user name and word to the same
2.config can't save Sendre of SMTP
3.webGUI "CPU Speed" info data source has been fixed from MaxSocketSupportedSpeed to OperatingSpeed
4.[webGUI] Hide LAN1 MAC Address if it is 00:00:00:00:00:00
5.Evidence should not blocked fwUP in 2021-07 release.
6.After MB cpld fwUP, if system is off, bmc will power_on the system.
7.Implement hyper link of carrier board IP address
8.[130496] Can't open JAVA iKVM under Windows Server OS
9.Refactor FD related codes
10.Remove VTT and VPP SDR first, because this HW design and SW design have limitations, it will trigger SEL when test system DC on/off stress.

01.00.12 (07/20/2021)

1.webGUI login should be ok after a session reset.
2.[128071] Onboard LAN MAC and information mismatched between on "Network AOC - Component info" and "Dashboard"
3,[127933] [AST2600 A3] system hang and lost BMC connection after update CPLD from WebGUI or SUM
4.[127840] Beta -- 16728 -- 01.00.07 -- RADIUS Server Address Input Issue Copy Project Issue Link
5.[New feature] Change location name in NIC page (AIOM->System Slot A#, PCIE-> System Slot #)
Fetch location name from [Chassis/1/Thermal]
When thermal name include [AIOM], the location field should show [System Slot A#].
When thermal name include [AOC], the location field should show [System Slot #].
When thermal name include [AOCUR_NIC] the location field should show [System Slot 0].
6.bmc boot firmware flash uses 3byte mode
7.Improved bios update internal flow
8.Better compatibility with provisioning rot_checker script 2021Q2.
9.When a new image being programmed is introducing a new/late version of RollbackID to the one programmed in RoT,
BMC will automatically update Golden Image in addition to Active Image because the Golden Image with smaller RollbackID to that in RoT is unusable for recovery.
10.bios firmware upgrade, refactored the codes.
11.[128572] T4 GPU temperature sensor show as NA on BMC (feature broken in bmc 01.00.11)
12.Help Page is not matched with CarrierBoard IPMI Web