

BMC FW Release Notes Form

Supermicro disclaims all express and implied warranties, including without limitation, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement, as well as any warranty arising from course of performance, course of dealing, or usage in trade. All products, computer systems, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice. Supermicro and the Supermicro logo are trademarks of Super Micro Computer, Inc. in the U.S. and/or other countries. Copyright © 2018 Super Micro Computer, Inc. All rights reserved.

Product Name	X12DGO-6
Release Version	1.01.14
Build Date	5/11/2023
Previous Version	1.01.11
Update Category	Recommended
Dependencies	None
Important Notes	None
Enhancements	None
New features	<ol style="list-style-type: none">1. Supports HGX A100 D01 GPU Board Nvidia new version HGX A100 GPU board (D01), removes one PCIe Switch PEX8725. BMC identifies GPU board revision; with old revision (mainly B04), BMC polls 5 PCIe Switch temperature readings; with new revision (D01 and further), BMC polls 4 PCIe Switch temperature readings.
Fixes	<p>Fixed the following items:</p> <ol style="list-style-type: none">1. [155400] [Solidigm D5-P5430][BMC 01.00.17] IPMI WebGUI Storage Monitoring did not show drive information.2. [155644] ECO -- 20899 -- 01.00.48 -- [MEL] MEL log Description not quite match SNMPv3 Auth Protocol/ Private Protocol.3. [154331] [16721 -- ECO -- IPMI 01.01.24] Successfully deleting IPv6 DNS and will always create "IPv6 DNS server 0:0:0:0:0:0:0:0 was deleted unsuccessfully" entry in the Maintenance Event Log4. [155126] ECO -- 18379 -- 01.01.11 -- DDNS sent multiple requests simultaneously that caused switchers out of shape.5. [152359] STD -- 16914 -- 01.01.38 (2023/01/04) -- Radius packet did not follow RFC28656. [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}).

7. [155021] Network IPv6 saving DNS Server IP as blank reverts to previous value; Auto Configuration failed to switch on once switch off
8. [153689] ECO--19176--00.14.11(02/10/2023)--"Web SSL Port" and "iKVM Server Port" value should not be clear if view help content before.
9. [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.
10. [153407] ECO--20899--01.00.44(02/03/2023)—It was conflict checking rule on "Remote User" and "Remote Groups" while click on "Save" button in AD/LDAP.
11. [154392] U2_SSD temperature did not reflect the hottest sensor reading on IPMI.
12. [152308] STD -- 16914 -- 01.01.38 (2023/01/04) -- Syslog packet not following RFC3164 Copy Project Issue Link
13. [154300] ECO --18379 -- 01.01.09 (02/22/2023) -- WEB -- Should not generate MEL Log when not do anything. (Network)
14. [154316] ECO -- 21603 -- 01.00.15(02/24/2023) -- Function-- Syslog packet not follow RFC3164
15. [154318] ECO -- 21603 -- 01.00.15(02/24/2023) -- GUI -- No popout error message when typing the wrong string at SNMPv2 Name field.
16. [152493] STD – 19328 – 01.01.10 – No MEL was generated for modification of DNS Server2 IP.
17. [154301] ECO --18379 -- 01.01.09 (02/22/2023) -- WEB -- No relate MEL Log when set to Mouse Mode.
18. Help tips do not have SSDP.
19. [144632] ECO -- 20899 -- 01.00.09(07/28/2022) -- Event Log Lack MEL ID when removing task list items
20. [151509] ECO--18379-- 01.01.08(01/06/2023)--Upload Floppy Disk(ima/img) behavior abnormal while clicking on "Save" button.
21. [152176] ECO --21603-- 01.00.12 -- [MEL] "NetworkProtocol Status Checking" would show up in Maintenance Event log and not having MEL ID which did not match with spec
22. [152064] ECO1691401.01.38 (01/04/2023)Web [MEL-0080] description did not match as Spec. [152063] ECO1691401.01.38 (01/04/2023)Wrong MEL event when set up SMTP Alert.
23. [152263] ECO -- 21603 -- 01.00.12 (01/17/2023) -- WEB -- MEL Log msg was incorrect when ONLY enable Dynamic Update.(DNS)
24. [152125] ECO --21603-- 01.00.12 -- [MEL] No related MEL log when setup SNMPv3 Auth Protocol/ Private Protocol [151002] STD -- 20122 -- 01.13.08 -- [MEL] No related MEL log when setup SNMPv3 Auth Protocol/ Private Protocol.
25. [151505][ECO]network number mismatch will occur when performing ac onoff stress test.
26. [151938] ECO--16914--01.01.34(11/05/2022)--"Syslog Server" and "Port" help tips should be translated to Simplified Chinese and Japanese.
27. [151724] ECO—16914—01.01.38 (01/04/2023)—MEL's description is not match as Spec.

28. Disable TLSv1.0 and TLSv1.1
29. [150507] ECO --16914 -- 01.01.34 (2022/11/05) -- SUM – Could not auto power on SUT after update golden BIOS FW
30. [150304] STD -- SW-- 01.01.35-- Would not redirect user to the new page after changing web ssl port.
31. [150200] STD -- SW-- 01.01.35-- Temperature sign of AOC mismatch between different languages
32. [139952] Storage pages were not refreshed automatically after its configuration was changed.
33. [149821] ECO -- SW -- 01.01.35 -- Network IPv4 DNS Server2 IP stays at 0.0.0.0 after saving a valid IP.
34. [149725] STD -- SW-- 01.01.34-- Shouldn't allow to enter invalid ip address as DNS Server.
35. Virtual Media Floopy Disk help page did not match with actual web page.
36. SNMPv2 Community String in WEB Help did not match with SPEC.
37. [149077] STD -- 16914 - 01.01.34 (11/05/2022) -- LDAP failed to login when LDAP server have entry limit.
38. [149165] ECO -- 20899 -- 01.00.28(11/03/2022) -- Function – Could not get system log on syslog.
39. [149274] ECO --16914 -- 01.01.34 (2022/11/05) -- WEB -- Should have "*" if the blank is required to fill in. (Directory Service).
40. [148093] If BMC hostname contains @ symbol, the BMC hostname will got wrong value at X13 [148012] STD – 17212 – 01.01.13 -- [Security] Unrestricted input on parameter bmcipv6_dns_server in Network Configuration at X13 2022_08_03 [148010] STD – 17212 – 01.01.13 -- [Security] Unrestricted input on parameter bmcipv6_addr in Network Configuration at X13 2022_08_03.
41. [148245] Previously assigned hotkey was entered after invalid input despite resetting to default.
42. [148188] VD name limited to 15 characters with an empty red warning message [146691] A pop-up warning message was displayed improperly for special characters in Virtual Drive name.
43. [147685] STD – 20899 – 01.00.25 – [REDFISH] POST CreateDump accepted when host powered off [147683] STD – 16914 – 01.01.32 – [REDFISH] POST CreateDump accepted when host powered off.
44. [145224] “System NIC in Slot 1, Health transition to Normal from unknow” keep reporting in event log every on/off cycle on BMC WebGUI.
45. Redfish.Dump Service.Dump Service.Check CreateDump URI While Powered Off test case failure.
46. [156117] PSU info displays N/A.
47. [156015] ECO -- 16914 -- 01.01.43 -- UI Dashboard BIOS Firmware Version showed as 1.4b when it should be 1.5.
48. [156317] STD -- 18605 -- 01.01.13 (20230426) -- Component Info: Expanded PSU Table Text Inconsistency.
49. [155317] ECO -- 16914 -- 01.01.39(02/28/2023) -- SUM tool couldn't get BIOS build date, but web and SMCIPMITool show normally.
50. [156190] ECO -- 20899 -- 01.00.52 --Failed to add valid Prefix length128 for Static Route List.
51. [156182] No MEL log after configuring the Mouse Mode setting.

	<p>52. Dynamically adjusted the group sensor for the HGX baseboard of different revisions.</p> <p>53. [155123] [IPMI 01.00.07] Sensor reading not matching with SPEC.(Supermicro_BMC_Sensor_Naming_Guideline_2.4_Draft_03062023.xlsx)</p>
--	---

Release Notes from Previous Release(s)

1.01.11 (10/14/2022)

Fixed the following issues:

1. *The DCMI power reading test fails.*
2. *Incorrect MEL after enabling/disabling the Host Interface.*
3. *There were no sensor readings after the AC was turned on.*

1.01.10 (10/13/2022)

1. *Fixed the DCMI power reading test failure.*

1.01.09 (9/07/2022)

1. *Improved BMC boot stability.*
2. *Updated OpenSSL from 1.0.2u to 1.1.1l.*
3. *Added support for Redfish 1.9.*
4. *Improve storage features.*
5. *Enhanced the following features:*
 - a. *Power cycle on HTML5 remote console.*
 - b. *PSU detection.*
 - c. *Running automation due to PSU SN.*
6. *Added supported for staged and run-time BIOS update.*
7. *Fixed mounting virtual media drive via webGUI.*
8. *Disallowed inputting decimal point at "Host IP Address."*
9. *Fixed incorrect MEL when the SNMPv2 field is empty.*
10. *Added the IPv6 support to the IPMI command 0x30 0x68 0xd 0x0.*
11. *Fixed ME hanging when cloning the BIOS golden image.*
12. *Set string length of Active Directory Remote Group to be at least 64 characters and at most 256 characters.*
13. *Fixed the syslog not showing error message after disabling and re-enabling.*
- Fixed the JAVA iKVM session re-connecting when executing the "iKVM Reset" command.*
9. *Fixed the power average usage being higher than the maximum peak value.*
14. *Fixed the MEL message following a BIOS update using the "Update on next boot" feature.*
15. *Fixed a typo on iKVM.*
16. *Match up the max session error message between iKVM/JAVA and iKVM/HTML5.*
17. *Fixed inconsistent behavior between the BMC and BIOS manual recovery.*
18. *Fixed the failure to log in with user accounts.*

19. Fixed Redfish automation failure.
20. Added support for IMA file type in Java iKVM.
21. Fixed the message in the Firmware Management page to match the error message in MEL when updating to an invalid firmware.
22. Fixed the mapping language when the selected language is Simplified Chinese.
23. Fixed the following issues:
 - a. The dialog box still appears when the SNMP box is unchecked.
 - b. The Auth Key/Private Key default value are incorrect when SNMP is enabled.
 - c. The account type do not match in the Add/Modify window and the user list.
24. Fixed an unspecified event log assertion when AC is on.
25. Added support for the IMA file type in the JAVA iKVM.
26. Fixed the sorting result being incorrect by "Prefix Length" on "IP access control" page.
27. Fixed "Prefix Length" changing from 128 to 32 after leaving the edit box.
28. Preserve anonymous user when the filter type is "Redfish/IPMI" or "SNMP."
29. Fixed getting an error message when clicking "Save" with the "Syslog server" as the default value.
30. Fixed all Broadcom AOC controllers to be discoverable.
31. Fixed the GPU sensor reading displays.
32. Fixed the server name display being out of range in Safari browser.
33. Fixed the description of the password length in the help section and the account service user section.
34. Disallowed the ipmitool to set LAN out-of-range.
35. Fixed strings brute forcing the BMC directory.
36. Fixed the server name or IPv6 address display being out-of-range.
37. Fixed the mount button disabled after clicking it once.
38. Fixed the web element "aria-expanded" being true by default.
39. Fixed the wording in the session time out message window in Simplified Chinese.
40. Fixed inability to sync NTP server when BMC has IPv6 DNS.
41. Enabled the user to create a password containing the "\" character.
42. Fixed XSS attack on the Notification Alert Redfish protocol.
43. Fixed the ability to mount floppy disk by uploading the IMA file.
44. Enabled ability to modify ADMIN's password.
45. Fixed pop up message repeating twice after clicking the Save button on the Date and Time page.
46. Fixed the ability to show IPv6 address after adding IP address on the IP Access page.
47. Enabled Authentication Key and Encryption Key to be 65 characters when setting Alerts with SNMPv3 protocol.
48. Re-configured the web task list as not a FIFO when there is more than 255 tasks.
49. Fixed web notification alert issue.
50. Fixed the LDAP Search Base text extending outside of the field box.
51. Fixed the error message when there is a "Tab" character in the user name.
52. Fixed the tips dialog box message when the BMC hostname contains special characters.
53. Fixed the graph in the power consumption page to display the last hour/day/week.

01.00.10 (1/13/2022)

1. Hid the LAN1 MAC address if it is 00:00:00:00:00:00.
2. Unblocked EVIDENCE in WebGUI->FirmwareInventory after a BMC firmware update.
3. Fixed BMC mount/unmount ISO file test.
4. Fixed the "Select File" pulldown menu in Maintenance -> License Activation.
5. Fixed the SSDP port and the range for Time to Live (TTL) to be consistent.
6. Fixed a hang issue when running DC on/off test with Red Hat 8.3.
7. Fixed the front panel LED lighting up red when the server turns on.
8. Disabled the SMCIPMITool from setting the NTP primary server to "localhost".
9. Fixed the WebGUI to show the motherboard name in the dashboard after updating the BIOS and the BMC.
10. Fixed the page refresh after enabling or disabling ports in the Configuration -> Network -> Port page.
11. Removed the BIOS_ME option in the Maintenance -> Firmware Management -> Inventory page.
12. Fixed the iKVM message pop-up after clicking the iKVM reset button.
13. Fixed the location of the "Save" button after selecting "CLEAR ALL the Event Logs?"
14. Fixed the SUM command GetBmcCfg always returning Enabled for the VLAN setting.
15. Fixed the fail message after configuring the NTP setting.
16. Matched up the IPMI MEL error message with the OS message "Kernel code segment (offset: ##) was compromised."
17. Fixed launching JAVA iKVM on Windows Server 2016/2019.
18. Refactored FD related codes.
19. Disallowed the user name and password to be the same.
20. Fixed saving the sender's email address on the SMTP page and reloading the configuration with the sender's email.
21. Fixed the source of the WebGUI "CPU Speed" from MaxSocketSupportedSpeed to OperatingSpeed.
22. Fixed flashing the firmware after recovering the BMC.
23. Fixed the unintended BMC reboot after executing the command sum -c GetBMCCfg.

01.00.06 (7/20/2021)

1. Upgraded BIOS firmware and refactored the codes.
2. Set BMC to automatically update Golden Image in addition to Active Image when a new image being programmed is introducing a new/older version of RollbackID to the one programmed in RoT.
3. Fixed inability to patch BootOption in Redfish BIOS API.

01.00.02 (5/18/2021)

1. Improved acquiring information from PSU.
2. Set default LAN mode to FAILOVER and enabled SHARE_LAN option.
3. Fixed inability to run thermal automation test.
4. Fixed failure to add IPv6 link local address, problem of turning off "Web port" automatically turning off other ports at the same time, failure of IP Address to allow IPv6 format on "IP Access Control" page, problem of Unlock/Select button being enabled for Virtual CDRom/SMTP Password/RADIUS/DDNS (system lockdown mode), failure of Redfish SimpleUpdate API for BIOS firmware update, missing Storage page on IPMI, NVMe blink behavior after hot swap and ejection/insertion, mismatch of System Board Power Consumption Graph X-axis "Time Stamp" with system current time, one 0xDC event description, ability to configure DNS Server IP/DNS Server2 IP on Network page (system lockdown mode), inability to remove selected file on the "Floppy Disk" due to out of frame icon, ability to configure Network (IPv4/SSL cert/SSDP/DDNS) and HEL (Warning!) check box for RADIUS user (Operator Privilege), ability to configure IPv4/DDNS/HEL (Warning!) check box for

Local/RADIUS user (User Privilege), problem of Note box and hit message overlapping and appearing out of frame on SSDP page, and sorting result of "Total duration" field (Task list).

5. Fixed missing sensor information from expander on X12 90-bay dual, missing Temp sensor reading for onboard 10G, DNS Server2 IP default value, inability to open iKVM on X12DSC, and problem of HDD triggering 100% fan speed with M.2.

6. Fixed inability to use IP Access Control with IPv6 format, problem of button being enabled for operator user for SSDP and SSL Certificate, display of "Category" when sorting on MEL page, problem of display error of temp sensor for NVMe devices occurring, problem of selecting "0" at "Failed Login Attempt Lockout Threshold" returning error and failing to save the changes, BMC IP issue under failover mode after firmware update, handling of zero-degree temperature returned from Marvell 88NR2241 SSD M.2 to prevent hitting critical threshold temperature, WebGUI display of BIOS revision with lower case letters, inability to access SYS-220U-MTNR: Storage Monitoring on IPMI when hotplugging after bootup without drive inserted, missing asterisk in "Auth key" and "Private key" fields (SNMPv3), failure to save valid value as SSDP Port, problem of DNS modification being disabled when DHCP is enabled, mismatch of time in SSM SEL attention & Call Home Service Event Email vs. BMC shown in Redfish Call Home Test result, prompt message when setting NTP Server with valid value, failure to remove invalid file under SSL Certificates page, and problem of Unlock/Select button being enabled for Virtual CDROM/SMTP Password/RADIUS/DDNS (system lockdown mode).

7. Fixed issue of PSU fan RPM dropping when 2 of the AC cords are removed from PSU.

8. Fixed "U2_SSD Temp" fan curve feature.

0.10.20 (3/5/2021)

1. Enhanced i2cRead PSU 1byte by 1byte.

2. Enabled erase NAND partition feature.

3. Added support for 2+2 for 3K PSU.

4. Added new PROCHOT logic.

5. Fixed incomplete display of tips content in "Authentication Key" and "Encryption key" fields (SNMPv3), problem of "U2_SSD1 Temp" sensor dropping during ON/OFF, problem of IPMI LAN status display disconnecting when VLAN setting is enabled, inability of "BMC hostname" to save changes even if the request is successfully set at Dynamic DNS, presence of "Delete" function when ADMIN (Network Privileges: Administrator) is locked, problem of using full-width characters at "SNTP" returning "Oops! Something went wrong..." error, problem of using full-width characters at "Redfish" returning "Oops!" error and incorrect tips, problem of using full-width characters at "User name", "Auth Key", or "Private Key" returning "ERROR:A general..." and incorrect tips on SNMP page, problem of using space at "Systelog Server" getting different behavior, problem of using full-width characters at "SMTP Server", "Port Number", and "User name" getting different behavior, display of power supply information, problem of KCS error occurring during cburn on/off test, BMC IP issue under failover mode after firmware update, display of CPU Speed under MiB Browser, and problem of 404 occurring for GET <https://IP/redfish/v1/Chassis/1/PCIeDevices/PCIeSSD0>.

6. Fixed dedicated PCI number for AOC and problem of CPU throttling during HPL test.

7. Fixed failure of 14 cases in BIOS ECO Robot automation test, failure of IPMI Hardware Monitor, problem of POST showing BMC unresponsive warning after AC cycle, failure of "Generate Evidence" to translate to simplified Chinese and Japanese, missing related information for "Generate evidence / Download evidence" in help content, inability to retry "Download Evidence" and missing alert to mention it before BMC unit reset, inability of SYS-730A-I BMC to show NVMe SSD sensor reading and missing fan speed control, CPU1's VRM fan curve, P1_DIMM fan curve, disabling of elements for account privileges, X12DPG-AR IPMI Sensors, NVMe information error in the IPMI GUI, AOC NIC sensor naming, and duplicated sensor name for AOC NIC.

0.10.18 (1/29/2021)

1. Set BMC to check CPLD VERSION_MAJOR and VERSION_MIDDLE before proceeding with the process for WebGUI CPLD firmware upgrade.
2. Enable erase NAND partition feature.
3. Refactored the NCT6683 discovery process.
4. Added feature to dump MB CPLD dual-boot flash to file.
5. Fixed missing BIOS recovered from golden image event log in SEL, problem of configure parameter error occurring when creating RAID on WebGUI Marvell NR2241-B, problem of error message appearing when turning on NTP, conflict between definitions in two sensor documents, problem of IPMI SEL log showing "SPI Channel attack prevented" SEL log when AC is on, issue with add-on card thermal reading, Expander Temp sensor reading, ability of IPMI Web - Virtual Media - Virtual CD-ROM to import invalid symbol for input option, incorrect CreateVDAActionInfo attribute value in Redfish for Marvell NR2241-B, and mismatch between IPMI Web System - Component Info - Product Info item display order and spec.
6. Fixed behavior of default dedicated LAN LED.
7. Fixed problem of server showing NTP as disabled after saving NTP.
8. Fixed ability of negative temperature reading to drive fan to full speed and instability of GPU tab information on WebGUI.
9. Fixed Alert subject showing special characters after sending mail automatically, failure of Remote Console Preview monitor function with User privilege account, GPU RTX8000 active temperature threshold, alert when opening iKVM VM tab after closing VM port, problem of NMAP running after closing VM port, and problem of Close/Enable system lockdown hanging at confirmation window.
10. Fixed IPMI sensor reading auto refresh button, missing add-on card sensor reading when installing the card on RSC-S2R-68G4, abnormality of the "NTP Enable/Daylight Savings Time" button UI, problem of excessive voltage sensor type activities logging during system stress test, inability of interval to save successfully and without error message when inputting "Hostname", problem of "Export to Excel" changing to English when language changes (Health Event Log), problem of "Export to Excel" showing two UI designs (Health Event Log/Maintenance Event Log), 10G LAN temperature, ability to detect Check IPMI Web sensor reading onboard 1G NIC temperature, and absence of sort symbol function on "Platform Resiliency Actions" list after changing language.
11. Corrected P1 memory fan curve while P2 memory curve is correct, fixed problem of "MB Hot Swap Temp" overheating at 35C, added Pump RPM sensor, fixed Pump Temp SEL false alarm, fixed problem of GPU Tray FAN 2 and GPU Tray FAN 3 being ignored when system is in liquid cool configuration, and fixed failure to show Liquid Cooling Fan Mode if system is in air cool configuration.
12. Corrected P1 memory fan curve while P2 memory curve is correct and modified pump names.
13. Fixed mismatch of sensor reading values between the exported Excel content and GUI, implemented ISO mount support for HTTP/HTTPS with IPv4/IPv6 via Redfish and web UI, fixed malfunction of Virtual Media CD-ROM mounting with IPv6, timestamp shown by System Board Power Consumption: Graphic, failure of privilege 'Administrator' to support 'Set SDR Repository Time' when KCS privilege 'User' supports 'Set SDR Repository Time', failure of SMSTC on the X12DPG-QT6, problems of 2 sensors showing N/A for 3908 and 3908 information disappearing on WebGUI when running ON/OFF test, failure of IPMI ECO automation test, missing detail information on NVidia T4 GPU when plugging in SLOT4 and SLOT6, problem of unauthorized process occurring in /web/cgi, problem of error occurring for input containing valid special characters for username text field on Users page, failure of SPEC to define the event log for "0x25-The path of Process (strace in /tmp) is not correct (TA3)", the path of process (init in /bin/) when performing ISO mount on WebGUI, missing M.2 NVMe temperature on sensor reading page, problem of TEE OS error occurring after updating BMC golden, problem of golden image update triggering critical TEE event log in MEL, problem of ID 0xa0

appearing in Maintenance Event Log occasionally, the format of event when DIMM changes, and Sensor Type and Description about Memory Critical Overtemperature event log.

14. Fixed missing FPGA temperature sensor reading.

Product Manager

Date