## **IPMI Firmware Release Notes**

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.

| Release Version 1.71.6 Build Date 8/30/2019 Previous Version 1.69 Update Category Recommended  Dependencies None  Important Notes None  Enhancements N/A  1. Added support for third number (build version) of IPMI firmware version. 2. Added BMC Account Security. 3. Added modification for event severity. 4. Enabled sending all event logs (Health & Maintenance) to Syslog server. 5. Added UefiPxe to Redfish System boot order. 6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL. 2. Fixed multiple vulnerabilities with BMC Virtual Media. 3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength. 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard. 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion. 11. CPU overheat deassertion no longer shows system as critical in IPMI webUI. | Product Name    | X11SPH-nCT(P)F   |
|---|-----------------|--|
| Dependencies   None   | Release Version | 1.71.6   |
| Dependencies   None   | Build Date      | 8/30/2019  |
| Important Notes  None  Important Notes  N/A  1. Added support for third number (build version) of IPMI firmware version. 2. Added BMC Account Security. 3. Added modification for event severity. 4. Enabled sending all event logs (Health & Maintenance) to Syslog server. 5. Added UefiPxe to Redfish System boot order. 6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL. 2. Fixed multiple vulnerabilities with BMC Virtual Media. 3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength. 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard. 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - //Managers/1/FirmwareVersion.  |                 | 7.7  |
| Important Notes  N/A  1. Added support for third number (build version) of IPMI firmware version. 2. Added BMC Account Security. 3. Added modification for event severity. 4. Enabled sending all event logs (Health & Maintenance) to Syslog server. 5. Added UefiPxe to Redfish System boot order. 6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL. 2. Fixed multiple vulnerabilities with BMC Virtual Media. 3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength. 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard. 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - //Managers/1/FirmwareVersion.   | Update Category | Recommended  |
| Enhancements  1. Added support for third number (build version) of IPMI firmware version. 2. Added BMC Account Security. 3. Added modification for event severity. 4. Enabled sending all event logs (Health & Maintenance) to Syslog server. 5. Added UefiPxe to Redfish System boot order. 6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL. 2. Fixed multiple vulnerabilities with BMC Virtual Media. 3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength. 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard. 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  | Dependencies    | None   |
| 1. Added support for third number (build version) of IPMI firmware version. 2. Added BMC Account Security. 3. Added modification for event severity. 4. Enabled sending all event logs (Health & Maintenance) to Syslog server. 5. Added UefiPxe to Redfish System boot order. 6. Added support for DCPMM (AEP DIMM) sensor reading. 1. Updating Broadcom 3108 firmware no longer shows error messages in SEL. 2. Fixed multiple vulnerabilities with BMC Virtual Media. 3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength. 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard. 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.   | Important Notes | None   |
| 2. Added BMC Account Security. 3. Added modification for event severity. 4. Enabled sending all event logs (Health & Maintenance) to Syslog server. 5. Added UefiPxe to Redfish System boot order. 6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL. 2. Fixed multiple vulnerabilities with BMC Virtual Media. 3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength. 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard. 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  | Enhancements    | N/A  |
| 3. Added modification for event severity.  4. Enabled sending all event logs (Health & Maintenance) to Syslog server.  5. Added UefiPxe to Redfish System boot order.  6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL.  2. Fixed multiple vulnerabilities with BMC Virtual Media.  3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength.  4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard.  5. Prevent IKVM/HTML5 being disabled in certain instances.  6. Improve web formatting for System tab.  7. Factory default with RADIUS: session no longer disables Redfish access.  8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  | New features    | 1. Added support for third number (build version) of IPMI firmware version.          |
| 4. Enabled sending all event logs (Health & Maintenance) to Syslog server.  5. Added UefiPxe to Redfish System boot order.  6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL.  2. Fixed multiple vulnerabilities with BMC Virtual Media.  3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength.  4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard.  5. Prevent IKVM/HTML5 being disabled in certain instances.  6. Improve web formatting for System tab.  7. Factory default with RADIUS session no longer disables Redfish access.  8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  |                 | 2. Added BMC Account Security.   |
| 4. Enabled sending all event logs (Health & Maintenance) to Syslog server.  5. Added UefiPxe to Redfish System boot order.  6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL.  2. Fixed multiple vulnerabilities with BMC Virtual Media.  3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength.  4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard.  5. Prevent IKVM/HTML5 being disabled in certain instances.  6. Improve web formatting for System tab.  7. Factory default with RADIUS session no longer disables Redfish access.  8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  |                 | 3. Added modification for event severity.  |
| 6. Added support for DCPMM (AEP DIMM) sensor reading.  1. Updating Broadcom 3108 firmware no longer shows error messages in SEL.  2. Fixed multiple vulnerabilities with BMC Virtual Media.  3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength.  4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard.  5. Prevent IKVM/HTML5 being disabled in certain instances.  6. Improve web formatting for System tab.  7. Factory default with RADIUS session no longer disables Redfish access.  8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  |                 | 4. Enabled sending all event logs (Health & Maintenance) to Syslog server.           |
| 1. Updating Broadcom 3108 firmware no longer shows error messages in SEL.  2. Fixed multiple vulnerabilities with BMC Virtual Media.  3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength.  4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard.  5. Prevent IKVM/HTML5 being disabled in certain instances.  6. Improve web formatting for System tab.  7. Factory default with RADIUS session no longer disables Redfish access.  8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.   |                 | 5. Added UefiPxe to Redfish System boot order.                                       |
| 2. Fixed multiple vulnerabilities with BMC Virtual Media. 3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength. 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard. 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  |                 | 6. Added support for DCPMM (AEP DIMM) sensor reading.                                |
| 3. Corrected maximum allowed password length shown for /redfish/v1/AccountService MaxPasswordLength. 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard. 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  | Fixes           | 1. Updating Broadcom 3108 firmware no longer shows error messages in SEL.            |
| /redfish/v1/AccountService MaxPasswordLength.  4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard.  5. Prevent IKVM/HTML5 being disabled in certain instances.  6. Improve web formatting for System tab.  7. Factory default with RADIUS session no longer disables Redfish access.  8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  |                 | 2. Fixed multiple vulnerabilities with BMC Virtual Media.                            |
| 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard.  5. Prevent IKVM/HTML5 being disabled in certain instances.  6. Improve web formatting for System tab.  7. Factory default with RADIUS session no longer disables Redfish access.  8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.   |                 | 3. Corrected maximum allowed password length shown for                               |
| 5. Prevent IKVM/HTML5 being disabled in certain instances. 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  |                 | /redfish/v1/AccountService MaxPasswordLength.  |
| 6. Improve web formatting for System tab. 7. Factory default with RADIUS session no longer disables Redfish access. 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds. 9. Improved stability of IPMI after updates. 10. Corrected formatting for minor version of Redfish - //Managers/1/FirmwareVersion.  |                 | 4. Corrected keypad * and + key map via IPMI iKVM and physical keyboard.             |
| 7. Factory default with RADIUS session no longer disables Redfish access.  8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  |                 | 5. Prevent IKVM/HTML5 being disabled in certain instances.                           |
| 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.   |                 | 6. Improve web formatting for System tab.  |
| 8. Improved Redfish for RADIUS: session disconnect after factory default; client returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.   |                 | 7. Factory default with RADIUS session no longer disables Redfish access.            |
| authentication error if delayed over 3 seconds.  9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish -  /Managers/1/FirmwareVersion.  |                 | 8. Improved Redfish for RADIUS: session disconnect after factory default; client     |
| 9. Improved stability of IPMI after updates.  10. Corrected formatting for minor version of Redfish -  /Managers/1/FirmwareVersion.   |                 | returning localhost IP in NAS-IP-Address; follow attribute 26 specification; prevent |
| 10. Corrected formatting for minor version of Redfish - /Managers/1/FirmwareVersion.  |                 | authentication error if delayed over 3 seconds.                                      |
| /Managers/1/FirmwareVersion.  |                 | 9. Improved stability of IPMI after updates.   |
|   |                 | 10. Corrected formatting for minor version of Redfish -                              |
| 11. CPU overheat deassertion no longer shows system as critical in IPMI webUI.  |                 | /Managers/1/FirmwareVersion.   |
|   |                 | 11. CPU overheat deassertion no longer shows system as critical in IPMI webUI.       |
| 12. Added security fix on SSH-CLP.  |                 | 12. Added security fix on SSH-CLP.   |