## **IPMI Firmware**

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	X10DRH-CLN4/ILN4
Release Version	3.77
Release Date	7/27/2018
Previous Version	3.58
Update Category	Recommended
Dependencies	None
Important Notes	None
	1. Improved multi-language content on the iKVM/HTML5 option
Enhancements	menu and submenu.
	2. Disabled MCTP support on Broadcom 3108 firmware so it only
	supports I2C protocol.
	3. Revised Redfish "Actions" for clearing event log.
New features	1. Added support for NVidia V100.
	2. Added adaptive temperature threshold in SDR for drives connected
	to 3108.
	3. Enabled AC Power On Event log.
	4. Added enable and disable options for 3108's JBOD mode over
	BMC's Web page and Redfish API
	"/redfish/v1/Systems/1/Storage/HA-RAID".
	5. Added Redfish memory information feature.
	6. Added support for Redfish firmware inventory (BIOS/BMC update).

	1
	7. Added new Redfish features for downloading and uploading IPMI
	configuration.
	8. Added support for new Redfish firmware inventory (3108 storage
	controller) to update firmware.
	9. Added BMC support to monitor controller temperature, attached
	physical drive temperature, and attached physical drive status of
	Broadcom storage controller 3008/3216 (HBA/Host Bus Adapter).
	10. Enabled monitoring of Broadcom 3108 BBU status and logging of
	it as status change.
	11. Added support for saving 3108 storage controller status event.
Fixes	1. Fixed failure of SUM "Test_case_215 Outband - ChangeBmcCfg and
	compare".
	2. Fixed inability to disable LDAP Authentication immediately after
	enabling it.
	3. Fixed problem of product serial number being incorrect when it is
	longer than 15 characters and written in IPMI FRU.
	4. Set AC Power On Event log to be reported when BMC executes cold
	reboot.
	5. Enabled update of 3108's firmware over BMC's Web page.
	6. Fixed problem of BMC not logging events when user removes pre-
	installed HDDs (connected to storage backplane and 3108) during
	system boot and after Broadcom 3108 storage controller is initialized.
	7. Fixed grammar error on Event Log page.
	8. Fixed problem of duplicate AOC NIC sensor appearing on sensor
	reading WebGUI.
	9. Fixed failure of Redfish automation test.
	10. Fixed problem of the sensor reading of AOC-STG-i4S card working
	abnormally.
	11. Fixed failure of Redfish API test.
	12. Fixed problem of Redfish 500 being returned when
	NetworkProtocol is patched after factory default.

13. Fixed inconsistency in format of BMC MAC address.
14. Fixed problem of power consumption history showing minimum
power as 0W.
15. Fixed incorrect grammar of some text.
16. Fixed problem of 'M' not following after one period in 'R.P.M'.
17. Fixed incorrect grammar in the alert Window.
18. Fixed failure of email function.
19. Fixed failure of Java SOL console launched on Java console.
20. Fixed problem of "undefined" message appearing in pop-up
window before uploading Broadcom 3108's ROM.
21. Fixed inability to update 3108's firmware over BMC's Web page if
Logical device is on the card.
22. Fixed timeout of Invalid Default Active Directory.
23. Fixed failure of the button to switch to upload in floppy disk after
unmounting a file.
24. Fixed failure to change JBOD mode.
25. Fixed problem of the help page of iKVM/HTML5 console not
supporting multi-language content.