

UNIFOSA Corp.
Technical Support Team
Firmware Release Notes

**Model: SASIII to SASII /SASIII /SATAIII 12/16/24/64 CHL
(LSI 3108 Roc 1200MHz)**

**For: EP-2123S2(D2)-SCSC(S6) / EP-3163S2(D2)-SCSC(S6) /
EP-2243S2(D2)-SCSC(S6) / EP-4643S2(D2)-SCS6 series.**

Important notes:

- 1. Please update BOOT module first.**
 - (1) Upgrade Boot module: 8380BOOT-xxxxx.bin**
 - (2) Upgrade firmware: 8380-xxxxxx.bin**
 - (3) Upgrade MRB firmware: 8380MBR0-xxxxxxxxx.bin**
 - (4) Upgrade SAS3 Expander firmware:8018-x.xx.xx.xx-xxxxxxxxx.fw**
 - (5) Upgrade SAS3 Data firmware: 8018-mfgdat12gN-xxxxxxxxx.rom**
 - (6) Upgrade SAS2 Expander firmware:8016-x.xx.xx.xx-xxxxxxxxx.fw**
 - (7) Upgrade SAS2 Data firmware: 8016-mfgdat6g-xxxxxxxxx.rom**

	Last Version	New Version
Controller Version	1.54 2017-03-29	1.55 2018-03-29
Boot Code Version	1.54 2017-03-29	1.55 2018-03-23
MBR Version	1.54-2017-03-29	1.55-2018-03-23
SAS3 Expander Version	8018-03.01.31.605-20170426	8018-03.01.31.605-20170426
SAS3 Expander Data Version	8018-Mfgdat12gN-20170123	8018-Mfgdat12gN-20170123
SAS2 Expander Version	8016-14.BD.00.09-20121017	8016-14.BD.00.09-20121017
SAS2 Expander Data Version	8016-mfgdat6g-20150608	8016-mfgdat6g-20150608
Release Date	JUN 21, 2017	MAY 16, 2018
New	<ol style="list-style-type: none"> 1. Add SAS Host Port Speed Setting. 2. Add Read Performance Margin Setting. 3. Add Write Performance Margin Setting. 4. Add Write Cache Amount Setting. 5. Add SAS HDD phy Error Count Display 	<ol style="list-style-type: none"> 1. Add Enter SED Key By User Password. 2. Add Save SED Key In Controller. 3. Add DHCP Retry if IP is Not Got. 4. Add New Event – Slot SMART Warning.

Fixed		<ol style="list-style-type: none"> 1. Fix EPC Problem. 2. Fix EP-4643 Enclosure Arrangement Problem. 3. Fix Scheduled Volume Check Problem. 4. Fix Mail Alert Header Day Code Error (Week Date Code Error). 5. Fix ActiveFailDisk Problem in JBOD Mode. 6. Fix Random Drop Off Seagate High Capacity HDD such as ST800NM0055. 7. Fix when Migration After Expand Raid Set May Stop at 99.6%. 8. Fix VT100 & LCD Panel Display Problem. <ul style="list-style-type: none"> (A)Display HDD Capacity Upto 99TB. (B)Display RaidSet & VolumeSet Capacity Upto 999TB.
Modify	<ol style="list-style-type: none"> 1. Improved EP-4643 Enclosure Arrangement. 	<ol style="list-style-type: none"> 1. Upgraded PL Lib to 15.0.2.0. 2. System May Hang if Disks is Set to Fail, Re-Activated and Set to Hot Spare, Volume Rebuild Start Host Access May Hang. 3. SAS SSD Support. 4. Patch HGST SDLL1MLR038TCCA1 (Ultrastar SSC200) SAS SSD Detection Problem. 5. Performance Margin Control, Throttling Delay is Changed to Get More Speed Control.
Remove	<ol style="list-style-type: none"> 1. Remove End Device Frame Buffering Setting. 	<ol style="list-style-type: none"> 1. Remove Getting Slot Number from SMP Slot Information (Cause Problem when Mixed with 6G Expander).