

**UNIFOSA Corp.**  
**Technical Support Team**  
**Firmware Release Notes**

**Model: SAS 6Gb/s to SAS 6Gb/s 8 CHL (LSI 2116)**  
**For: EP-T803-S6S6, EP-2803-S6S6 series.**

**Important notes:**

- 1. Please update BOOT module first.**
  - (1) Upgrade Boot module: 8040BOOT-xxxxx.bin**
  - (2) Upgrade firmware: 8040-xxxxxx.bin**
  - (3) Upgrade MBR: 8040MBR0-xxxxxx.bin**

	<b>Last Version</b>	<b>New Version</b>
<b>Version</b>	1.52 2015-06-04	1.54 2016-11-23
<b>Boot Code Version</b>	1.52 2015-06-04	1.54 2016-11-23
<b>MBR Version</b>	1.52 2015-06-04	1.54 2016-11-23
<b>Release Date</b>	JUL 21, 2015	MAR 16, 2017
<b>New</b>	<ol style="list-style-type: none"> <li>1. Add Raid 00 / Raid 100.</li> <li>2. Add DHCP Renewer Support.</li> <li>3. Add 4K Native SAS / SATA HDD Supported.</li> <li>4. Add 1M Stripe Size Supported.</li> <li>5. Add Clone Disk Supported.</li> <li>6. Add New SATA Power Up In Standby Function.</li> <li>7. Add Global Spare Type for SSD or HDD Function.</li> <li>8. Add 8018 Expander Supported.</li> </ol>	<ol style="list-style-type: none"> <li>1. Add EPC Supported.</li> <li>2. Add Security Encryption Disk SED Function.</li> <li>3. Add Clone Disk Function.</li> </ol>
<b>Fixed</b>	<ol style="list-style-type: none"> <li>1. Fix DHCP Problem for Some DHCP Server Compliant</li> <li>2. Fix Persistent Reservation Compliance for Windows 2012 /2012R2 Fail Over Cluster</li> <li>3. Fix SSD Init Zero Problem, if trim Return Zero and NOT Return zero is Mixed Together Initialization may hang on 99.9%</li> <li>4. Fix Multiple Volume Set to Migration Failed at some Action.</li> <li>5. Fix RaidInitZero may hang if Initzero SCB Produce Internal Task Reset.</li> <li>6. Fix Raid 50/60 Stripe Size less 64K Problem.</li> </ol>	

<b>Fixed</b>	<ol style="list-style-type: none"> <li>7. Fix VT100 Create RaidSet Problem, if More Than 32 Disks is Selected.</li> <li>8. Fix Linux MPIO Setup TUR Test, Slot Disk set HDD Power Management can't into Sleep Mode.</li> <li>9. Fix RaidSet Expand Problem, if Volume is Already More Than 2TB.</li> <li>10. Fix HDD Timeout Problem.</li> <li>11. Fix to Daisy Chen JBOD Expander at LCD Management Problem.</li> <li>12. Fix MAC OS 10.9 inquiry issue</li> </ol>	
<b>Modification</b>	<ol style="list-style-type: none"> <li>1. Change PL Firmware to Phase 19.</li> <li>2. Change LCD Display for Rebuilding/Migration Slot Target to Volume Set Member Disk#.</li> <li>3. Enhance Raid 6 to 3 Disk.</li> <li>4. Enhance Slot Device Information Displayed for SSD.</li> <li>5. Enhance HDD Failing Handling for Time out or Media Error.</li> <li>6. Enhance GUI Security.</li> <li>7. Enhance Boot Code to Support ICS9LPRS525.</li> <li>8. Enhance Activate Fail Disk to Activate 0G Disk.</li> </ol>	
<b>Removed</b>		<ol style="list-style-type: none"> <li>1. Remove HTTP guest Account.</li> </ol>