

Proware Technology Corp.  
 Technical Support Team  
 Firmware Release Notes

**Model: SAS to SAS /SATA 12/16/24/42 CHL (Intel 81341)**  
**For: SB-2123-S3S3 / SB-3163S-S3S3 / EP-2123S-S3S3 /EP-3163S-S3S3 / EP-2243S-S3S3 / EP-4423S-S3S3 / EP-T803-S3S3 series.**

**Important notes:**

- 1. Please update BOOT module first.**
  - (1) Upgrade Boot module: 8360BOOT-xxxxx.bin**
  - (2) Upgrade firmware: 8360-xxxxxx.bin**
  - (3) Upgrade firmware: 8360MBR0-xxxxxxxxx.bin**

	Last Version	New Version
<b>Version</b>	1.49 2010-12-10	1.50 2012-01-16
<b>Boot Code Version</b>	1.49 2010-12-10	1.50 2012-01-16
<b>MBR Version</b>		1.50 2012-01-16
<b>Release Date</b>	APR 15, 2011	JUL 5, 2012
<b>New</b>	<ol style="list-style-type: none"> <li>1. Add Rename Raid Set Function.</li> <li>2. Add Display Error Recovery Control Status of SATA HDD.</li> <li>3. Add SMART Fan Disabled Control.</li> <li>4. Add Support for Mail Greet Pause, Use Different tcp_send Timeout Value.</li> <li>5. Add NEW_MAIL_ALERT_CONFIG to Support Different Mail Alert Configuration for Different Mail Account.</li> </ol>	<ol style="list-style-type: none"> <li>1. Add [Alert By Mail Configuration] to Telnet &amp; RS-232.</li> <li>2. Add Slot Information of SATA HDD Rotation Rate Display.</li> </ol>

<b>Fixed</b>	<ol style="list-style-type: none"> <li>1. Fix Report Lun Command to Exclude FAILED and FOREGROUND Initialize Volume.</li> <li>2. Fix when Many Volumes is Created for RAID6 and Failed Two Drive, Some Volume May Still NEED_REBUILD and REBUILDING Status.</li> <li>3. Fix When Expansion Raid Set and Target Disk Failed, After Migration Paused and Controller Restarted, The Migration Halted.</li> <li>4. Fix Removing of Failed Slot HDD Hang the System.</li> <li>5. Fix Raid Set Activate Problem for Rebuilding Percentage.</li> <li>6. Fix SNMP Service Break Problem.</li> <li>7. Fix inBand Problem</li> <li>8. Fix SAS SPC3 Compliance</li> </ol>	<ol style="list-style-type: none"> <li>1. Resolve Timeout Problem of 3TB HDD</li> <li>2. Resolve Intel 320 Series SSD (0362) + LSI9252 SAS2 Bridge Into Slot Information Device Failed Happened.</li> <li>3. Resolved On-Line Change Volume Set Cache Mode Problem.</li> <li>4. Resolved Raid 50/60 Background Initializing Performance with Host Access.</li> <li>5. Resolved Foreground Initialize Display Percentage Error.</li> </ol>
<b>Modification</b>	<ol style="list-style-type: none"> <li>1. Improve Support 6G Expander Connections</li> <li>2. Improve SAS More than 2TB HDD Support.</li> </ol>	<ol style="list-style-type: none"> <li>1. Enhance SNMP Protocol.</li> <li>2. Improve Volume Set Write Through Rebuild Performance.</li> </ol>
<b>Removed</b>		