

## Firmware Release History

**Model: U320 SCSI to S-ATA-II 8 CHL. (i80321) (6320)**

Version	Boot Code	Release Date (MM/DD/YYYY)	Notes
1.45-080314	1.45-080314	04/25/2008	Update from 1.36 and earlier, Ethernet configuration must be saved again. 1. Fixed RAID level 1 and 0+1 issue.
1.44-080201	1.44-080128	03/21/2008	Update from 1.36 and earlier, Ethernet configuration must be saved again. 1. Added MAC over Two TB for SCSI model. 2. Added MAID function. (Spin Down Idle HDD). 3. Added Off-Line RaidSet for on-line roam member disks to another subsystem. 4. Added auto hot spare support (across power cycle). 5. Added support MTRON SSD. 6. Fixed Seagate 750G/500G SATA disk timeout issue. 7. Fixed U320 SCSI bus power cycle bus reset issue. 8. Fixed for SANYO DVR. 9. Fixed WD 1TB drive detection issue. 10. Fixed IE7 update firmware problem under Vista. 11. Fixed U320 SCSI separate in-band device, API cannot detect. 12. Fixed to avoid 'CHECK CONDITION'. 13. Modify command length to fix Adaptec U320 card dump issue in

			Linux.
1.42-061103	1.42-061013	12/04/2006	<p>Update from 1.36 and earlier, Ethernet configuration must be saved again.</p> <ol style="list-style-type: none"> <li>1. Added multiple volume check at one time (HTTP only).</li> <li>2. Added SCRUB bad block and REPAIR parity function.</li> <li>3. Added Event and warning if incomplete RAID Set discovered.</li> <li>4. Added completion aborted and stopped events for migration, rebuilding and initialization.</li> <li>5. New rescue mode.</li> <li>6. Added new LSI chip support (A3).</li> <li>7. Added HDD timeout option (12, 17, 22, 27 and 32).</li> <li>8. Fixed Hitachi HD issue (Raid locked up).</li> <li>9. Fixed WD4000YR detect problem (power on/off).</li> <li>10. Fixed heavy loading filter HDD temperature issue.</li> <li>11. The LBA address is logged for reference when Power loss during migration, rebuilding and initialization.</li> <li>12. Change bad block generation to compatible with Seagate.</li> <li>13. Change the Voltage high limit to 5.4V for 5V.</li> </ol>
1.39-060308	1.39-051206	03/20/2006	<p>Update from 1.36 and earlier, Ethernet configuration must be saved again.</p> <ol style="list-style-type: none"> <li>1. Added Stagger power on control function.</li> <li>2. Added RAID 1(1+0) with initialization function.</li> <li>3. Added "2 TB CDB Selection". For 16 bytes CDB just support LSI</li> </ol>

			<p>U320 SCSI interface.</p> <ol style="list-style-type: none"> <li>Fixed Ethernet problem (Browser and Telnet can not connect).</li> <li>Fixed FAN failed and recovered issue.</li> <li>Display SMART status in drive status.</li> <li>Mail SMTP port settable.</li> </ol>
1.38-051004	1.37-050902	10/26/2005	<p>Update from 1.36 and earlier, Ethernet configuration must be saved again.</p> <ol style="list-style-type: none"> <li>Add Http and Telnet disable function.</li> <li>Add NTP function support.</li> <li>Add unit serial number.</li> <li>Add TLER, timeout, retry, and buffer threshold function for SATA controller.</li> <li>Add In-band SCSI Function.</li> <li>Add Pre-read function.</li> <li>Fixed 53C1030 channel B issue.</li> <li>Fixed Marvell 6081 chip issue.</li> <li>Log-in record in the event log (http / telnet / serial).</li> </ol>
1.36-050513	1.35-050303	05/13/2005	<ol style="list-style-type: none"> <li>Support NCQ for SATA-II, (NCQ: 32 command).</li> <li>Add 5 seconds delay for battery backup support.</li> <li>Support 16/12 bytes CDB and Windows large block.</li> <li>TCP/IP timeout change to 3 minutes.</li> <li>Send RST to client if TCP connection over 3 minutes.</li> <li>Fixed disk geometry of mode sense parameter for Solaris.</li> <li>Fixed U320 MPT issue on Solaris.</li> <li>Use NEW_SMART function for disks.</li> </ol>

			<p>9. Improve random access performance.</p> <p>10. SNMP parameter can be modify for, sysContact.0, sysLocation.0 and sysName.0</p>
1.33-040923	1.33-040923	09/24/2004	1. Initial release.