| AIC Inc. No. 9, Alley 19, Lane20 Da Hsing Rd. Luchu Township, Taoyuan, Taiwan TEL: +886-3-3138386 FAX: +886-3-3138377 AU60 Single Expander (XJ3000-4603) SSG JBOD | | | | | | | |
|---|--------------------------|-------------------------|--|------------------------|--|--|--|
| | | tionality Re | - | | | | |
| | 2013.11.28 Jack Huang | 2013.11.28 Chuan Lee | Approved b VP, Q David David David | uality 11.28 | | | |
| | Originate Date | Revision | Report Statu | <u> </u> | | | |
| | 2013/11/28 | A3 | MP | | | | |
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Revision History

| | Revision Histo | лу | |
|------|--|------------|------------|
| | Revisons | | 1 |
| REV. | DESCRIPTION | DATE | Engineer |
| AO | XJ3000-4603 JBOD Functionality Test for DVT | 2012/5/4 | Jack Huang |
| A1 | XJ3000-4603 Basic Functionality Test- PSU Substitute ECN: XJ3000-4603 JBOD Functionality Test Expander: B46-LISAXXE-00C110(Reworked) Hub F/W: 1.11.2.4 MFG: 1.2.0.3 Left Edge F/W: 1.11.3.3 MFG: 1.3.0.2 Right Edge F/W: 1.11.3.3 MFG: 1.3.1.2 Solution: 1. <u>Resolve the issue that the zone</u> <u>behavior was not proper with Adaptec raid card.</u> Solution: 2. <u>Changed bead of expander board, let</u> <u>signal was improved.</u> | 2013/4/16 | Jack Huang |
| Α2 | ECN: XJ3000-4603 JBOD Functionality Test Expander: B46-LISAXXE-00C210(Reworked) Configuration1: Hub F/W:2A2_v1.11.2.4; MFG: mfg2A2.0_4U60_Hub_A020_1105; Left Edge F/W: fw2A3_v1.11.3.3; MFG: mfg2A3.0_4U60_LeftEdge_A020_1105; Right Edge F/W: fw2A3_v1.11.3.3; MFG: mfg2A3.1_4U60_RightEdge_A020_1105 Solution: <i>Tune signal while deployed the 600mm</i> <i>mini-SAS cable to use.</i> Configuration2: Hub F/W:fw2A2_v1.11.2.4; MFG: mfg2A3.0_4U60_Hub_C210_1105; Left Edge F/W: fw2A3_v1.11.3.3; MFG: mfg2A3.0_4U60_LeftEdge_C210_1105; Right Edge F/W: fw2A3_v1.11.3.3; MFG: mfg2A3.1_4U60_RightEdge_C210_1105 Solution: <i>Tune signal while deployed the 180mm</i> <i>mini-SAS cable to use.</i> | 2013/11/21 | Jack Huang |
| | f product change or information change/update, the report will be pyright@2013 AIC Inc. This document contains informatic | | |
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| | Reviso | ons | | |
|------|---|----------------------------------|------------------------------|------------|
| REV. | DESCRIPTION | | DATE | Engineer |
| | XJ3000-4603 Basic Functionality Test | | | |
| | ECN: XJ3000-4603 JBOD Functionality T | Test | | |
| | Hub F/W: 01.11.02.52 MFG: 1.2.0.51 | | | |
| | Left Edge F/W: 01.11.03.52 MFG: 1.3.0 | | | |
| A3 | Right Edge F/W: 01.11.03.52 MFG: 1.3. | 1.51 | 2013/11/28 | Jack Huang |
| | Solution: 1. <u>F/W and MFG upgraded. Hid</u> | | | |
| | Right/left edge expander, let physical dr plug under hub expander. | <u>rivies</u> | | |
| | | | | |
| | Solution: 2. <i>Enable T10 zoning function.</i> | | | |
| | | | | |
| | | | | |
| | Date of 1 | | |] |
| | Date of Test Started | | ompleted | |
| | | Test Co | ompleted /11/28 | |
| Cc | Test Started | Test Co 2013 s information | /11/28 proprietary to AIC | |

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1 Introduction

1.1 Scope

This document is for demonstrating product conformance in the Various Development Phases of a project.

1.2 Purpose

Provide a formal and consistent process for measuring and validation the reliability of a given design. Identify any design discrepancies or electrical, mechanical, firmware and system issues.

1.3 Reference Information

The following documents form a part of this test plan to the extent specified herein.

- DVT Requirements Document

- Current Hardware Platform Evaluation Test Plan

| Owner | Document List Review |
|-------|---|
| PM | Application form for DVT functionality validation |
| PM | Product specification |
| EE1 | Product EVT test report |
| QT | Board level compatibility EVT test report |
| EE1 | PCB Schematic / Layout |

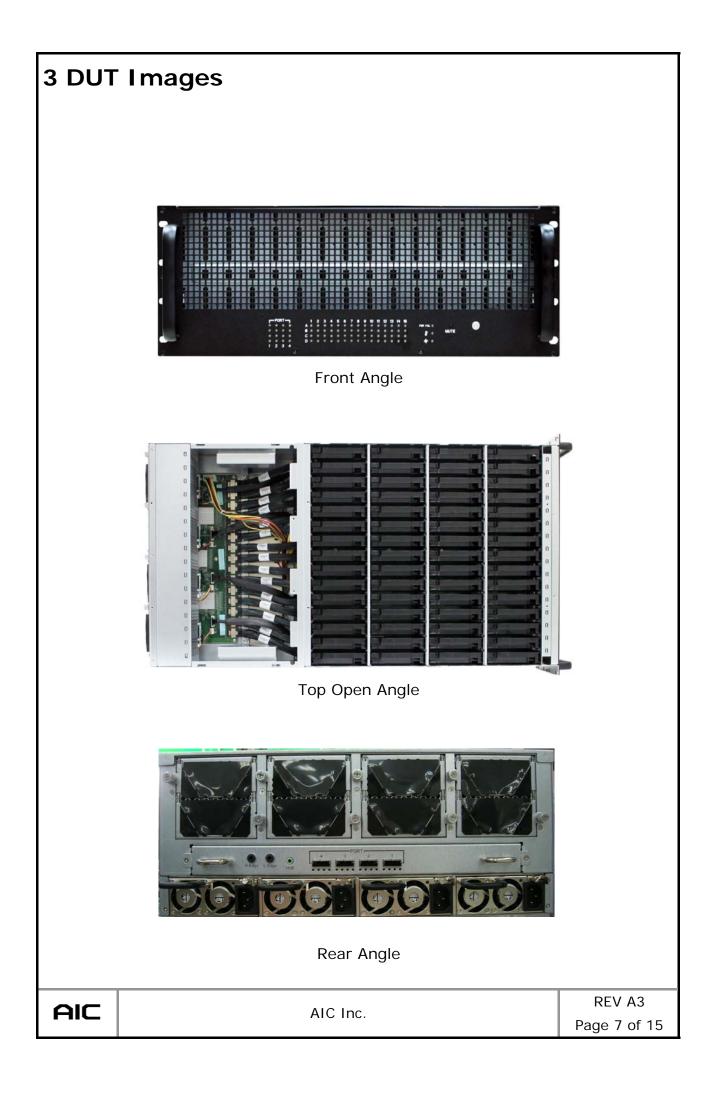
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| 2 Plan of Ac | tion Reference |
|-------------------------------------|--|
| 2.1 Plan of Action Pr | rocedure |
| | ocument or other identified specification to start product testing. |
| - All equipmer must be available | essary requirements and equipment for the test. nt must be calibrated on an annual basis. Documentation of the calibratio .tenance of equipment is required. |
| Complete testir | ng according to instructions or procedures contained in this document. |
| Identify whether | er or not product or product component passes or fails. |
| - | results to DQA designated personnel and database. Problem Tracking System, the function test shall be referenced in the short issue. |
| ■ The EE design to date. | teams have the responsibility to resolve all issues and concerns by PVT |
| | es and concerns will be worked in order of priority and resolved according the necklist and any associated documented specifications. |
| | may identify resolution for an issue regarding a product in the design emed necessary for the QAE team to be involved. |
| 2.2 Test Reporting | process of development, all progress in testing must be tracked an |
| 0 | to the DQA weekly. |
| Each test shall b | be tracked as follows: |
| Definition | Description |
| Pass | All units were able to complete testing within the specified Pass Criteria. |

PassAll units were able to complete testing within the specified Pass Criteria.FailUUT were not able to complete testing within the specified Fail CriteriaBugUnable to predict potential problemsPendingTest initially failed but is able to pass after fixes were implemented

All Pass/Fail data results must be repeatable.

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4 Target Device Configuration and Environment

4.1 Table of Test Configuration

| 4.1 Table o | f Test Confi | igurati | ion | 4.1 Table of Test Configuration | | | | | | |
|----------------|--------------|--|----------------------|---------------------------------|---|--|-------------------|--|--|--|
| | | | Host Con | figurat | ion | | | | | |
| lt∈ | em | Vender / Model | | Detail | | | | | | |
| Mortherboard | | | Intel S2600CP | | Мс | otherboard of | f the host | | | |
| Operation | System1 | | Microsoft Windows | | S | erver 2008 F | 2 64-bit | | | |
| Operation | System2 | | CentOS6.3 | | 2. | 6.32-279.el6 | 5.x86_64 | | | |
| CF | บ | | Intel | | E | 5-2643 3.30 | GHz *1 | | | |
| Men | nory | | DSL | | DDR | 3 1066 U-DIN | MM/ 2GB *6 | | | |
| Hard Dis | sk Drive | , | WD / WD3000HLFS | 5 | S | ATA HDD / 3 | 00GB *1 | | | |
| | | | PCIe Card C | onfigu | ration | | | | | |
| Card | Vender / N | lodel | Firmware ver. | В | IOS ver. | Driver ver. | GUI Software ver. | | | |
| RAID Card | Intel RS2PI | 800 | 2.130.383-2315 | 3.27.0 | 0_4.12.05.00 | 6.600.23.0 | 13.04.03.01 | | | |
| HBA Card | LSI 9206-1 | 16E | 17.00.01.00 | 7 | .33.00.00 | 2.0.66.0 | 13.08.04.01 | | | |
| | | XJ3 | 000-4603 Single JE | BOD HE | DD Configura | ition | | | | |
| Vend | der / Model | | Interface | | | Detail | | | | |
| Seagate | / ST3146855 | iss | SAS 3G | | | 146GB/ FW: | 0002 | | | |
| Seagate / H | US723030AL | _S640 | SAS 6G | | 3TB/ FW: A222 | | | | | |
| Toshiba | / AL13SEL90 | 00 | 0 SAS 6G | | 900GB/ FW: 6101 | | | | | |
| Hitachi / Hl | JA723030AL | A640 | 640 SATA 6G | | 3TB/ FW: 800 | | | | | |
| 4.2 Main Ha | ardware Co | nfigura | ifiguration | | | | | | | |
| lt∈ | em | Product Number | | Quantity | | Detail | | | | |
| Back | olane | B40-4AMPTMXX00A010 B40-4AMMTMXX00B010 (Reworked as B40- 4AMPTMXX00A110, B40- 4AMMTMXX00B110) | | 2 | SN: 421-12060801010002 SN: 421-12060801020008 | | | | | |
| Power H | lousing | | Zippy M1X4-7AH9V0H | | 1 | AC INPUT: 100-240V 47-63Hz 33- 16.5A / DC OUTPUT : 1890W(MAX) | | | | |
| Power | Module | Zippy M1X-3700V | | 4 | AC INPUT: 100-240V 47-63Hz 11- 5.5A DC OUTPUT: 700W(MAX) | | | | | |
| Expander board | | B46-LISAXXE-00C110 (Reworked as B46-LISAXXE-00C210) | | 1 | SN: 505-12031400310037 SASAddress: 50015B219800553F 50015B219800563F 50015B219800543F | | | | | |
| Fan M | lodule | S | ANYO DENKI SAN ACE 8 | 30 | 4 | DC 12V/3.8A | | | | |
| Mini-SAS cable | | Innovative and Advance Technology Co., Ltd RMS36-1194 REV AX1 | | 15 | SFF-8087 to SFF-8087 600mm | | | | | |
| | | | | | | | | | | |
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5 Functional Test

| Backplane 4AMPTMXX00A110, B40-4AMMTMXX00B110) RAID Card Intel RAID RS2PI008 Driver 6.600.23.0 Power Housing Zippy M1X4-7AH9V0H Power Module Zippy M1X-3700V Item Test Power Module Resu Test Procedure Resu Hot swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power cord interrupt, check fail led, buzz and console status. Pass PSU status under GUI. Pass | | | | | | | | |
|--|--|-------------------------|---|--------------------------------------|-------------|-------------------|-----------|--|
| Firmware Hub: LSISAS2xFW-01.11.02.52 / Edge: LSISAS2xFW-01.11.03.3 MFG Hub: 1.2.0.51 Left Edge: 1.3.0.51 Right Edge: 1.3.0.51 Right Edge: 1.3.1.51 Expander Board B46-LISAXXE-00C110(Reworked as B46-LISAXXE-00C210) Backplane B40-4AMMTMXX00B010, B40-4AMPTMXX00A010(Reworked as E 4AMPTMXX00A110, B40-4AMPTMXX00A010(Reworked as E 4AMPTMXX00A110, B40-4AMMTMXX00B110) RAID Card Intel RAID RS2PI008 Driver Power Housing Zippy M1X4-7AH9V0H Power Module Zippy M1X-3700V Item Test Power Module Vertex Test Procedure Resu Hot-swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power cord interrupt, check fail led, buzz and console status. Pass Power cord interrupt, check fail led, buzz and console status. POW status under GUI. Pass | Test Engineer | est Engineer Jack Huang | | | | | | |
| MFG Hub: 1.2.0.51 Left Edge: 1.3.0.51 Right Edge: 1.3.1.51 Expander Board B46-LISAXXE-00C110(Reworked as B46-LISAXXE-00C210) Backplane B40-4AMMTMXX00B010, B40-4AMPTMXX00A010(Reworked as E 4AMPTMXX00A110, B40-4AMMTMXX00B110) RAID Card Intel RAID RS2PI008 Driver Power Housing Zippy M1X4-7AH9V0H Power Module Zippy M1X-3700V Item Test Power Module Hot swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power cord interrupt, check fail led, buzz and console status. Pass PSU status under GUI. Pass | Model Name | | XJ3000-4603 | | | | | |
| MFG Left Edge: 1.3.0.51 Right Edge: 1.3.1.51 Expander Board B46-LISAXXE-OOC110(Reworked as B46-LISAXXE-OOC210) Backplane B40-4AMMTMXX00B010, B40-4AMPTMXX00A010(Reworked as E 4AMPTMXX00A110, B40-4AMMTMXX00B110) RAID Card Intel RAID RS2PI008 Driver Power Housing Zippy M1X4-7AH9V0H Power Module Zippy M1X-3700V Item Test Power Module Test Procedure Resu Hot swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power cord interrupt, check fail led, buzz and console status. Pass PSU status under GUI. Pass | Firmware | | Hub: LSISAS2xFV | V-01.11.02.52 / Edg | ge: LSISAS2 | xFW-01 | .11.03.52 | |
| Backplane B40-4AMMTMXX00B010, B40-4AMPTMXX00A010(Reworked as B 4AMPTMXX00A110, B40-4AMMTMXX00B110) RAID Card Intel RAID RS2PI008 Driver 6.600.23.0 Power Housing Zippy M1X4-7AH9V0H Power Module Zippy M1X-3700V Item Test Power Module Resu Hot swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power cord, buzz, console status. Pass PSU status under GUI. Pass | MFG | | Left Edge: 1.3.0.51 | | | | | |
| Backplane 4AMPTMXX00A110, B40-4AMMTMXX00B110) RAID Card Intel RAID RS2PI008 Driver 6.600.23.0 Power Housing Zippy M1X4-7AH9V0H Power Module Zippy M1X-3700V Item Test Power Module Resu Test Procedure Resu Hot swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power cord interrupt, check fail led, buzz and console status. Pass PSU status under GUI. Pass | Expander Board B46-LISAXXE-00C110(Reworked as B46-LISAXXE-00C210 | | | | 10) | | | |
| Power Housing Zippy M1X4-7AH9V0H Power Module Zippy M1X-3700V Item Test Power Module Test Procedure Result Hot swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power on state, check fail led, buzz and console status. Power cord interrupt, check fail led, buzz and console status. Pass PSU status under GUI. Pass | Backplane | | B40-4AMMTMXX00B010, B40-4AMPTMXX00A010(Reworked as B 4AMPTMXX00A110, B40-4AMMTMXX00B110) | | | | | |
| Power Module Zippy M1X-3700V Item Test Power Module Test Procedure Resu Hot swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power on state, check fail led, buzz and console status. Pass Power cord interrupt, check fail led, buzz and console status. Power cord interrupt, check fail led, buzz and console status. Pass Power cord interrupt, check fail led, buzz and console status. Pass Power cord interrupt, check fail led, buzz and console status. Pass | RAID Card | | Intel RAID RS2PI | 008 | Driver | Driver 6.600.23.0 | | |
| Item Test Power Module Test Procedure Result Hot swap the power module and power cord, confirm the right side of functions are work normally. Hot-swap each PSU 10 times under power on state, check fail led, buzz and console status. Pass Power cord interrupt, check fail led, buzz and console status. Power cord interrupt, check fail led, buzz and console status. Pass Power cord interrupt, check fail led, buzz and console status. Pass Pass Power cord interrupt, check fail led, buzz and console status. Pass Power cord interrupt, check fail led, buzz and console status. Pass Power cord interrupt, check fail led, buzz and buzz, console status. Pass PSU status under GUI. Pass | Power Housing | | Zippy M1X4-7AH9 | РИОН | | | | |
| Test ProcedureResultHot-swap each PSU 10 times under power on state, check fail led, buzz and console status.Pass power on state, check fail led, buzz and console status.Hot swap the power module and power cord, confirm the right side of functions are work normally.Hot-swap each PSU 10 times under power on state, check fail led, buzz and console status.Power cord interrupt, check fail led, buzz, console status.Pass PassPSU status under GUI.Pass | Power Module | | Zippy M1X-3700V | , | | | | |
| Hot swap the power module and power cord, confirm the right side of functions are work normally.Hot-swap each PSU 10 times under power on state, check fail led, buzz and console status.Pass Power cord interrupt, check fail led, buzz, console status.Pass PassPSU status under GUI.Pass | Item Test | | | Power Module | | | | |
| Hot swap the power module and power cord, confirm the right side of functions are work normally.power on state, check fail led, buzz and console status.Pass and console status.Power cord interrupt, check fail led, buzz, console status.Pass power on state, check fail led, buzz, console status.Pass power on state, check fail led, buzz, console status.Pass power on state, check fail led, power cord interrupt, check fail led, buzz, console status.Pass power on state, check fail led, power cord interrupt, check fail led, power cord interrupt, check fail led, buzz, console status.Pass power cord interrupt, check fail led, power cord interrupt, check fail led, | | | Test Proced | ure | | | Result | |
| confirm the right side of functions are work normally.Power cord interrupt, check fail led, buzz, console status.Pass PassPSU status under GUI.Pass | confirm the right side of functions are work | | | power on state, check fail led, buzz | | | Pass | |
| | | | | | | il led, | Pass | |
| | | | | PSU status under | GUI. | | Pass | |
| PSU status under console. Pass | | | | PSU status under console. | | | Pass | |

| Item Tes | st | System Fan | | | | |
|----------------|----------------|---------------------------|---|-----|------------|--|
| | Test Procedure | | | | | |
| | | | Hot-swap fan module under power on state, check fail led, GUI, buzz and console status. | | Pass | |
| Hot swap or s | start/ | stop the fan module, and | If fan speed was changed, the fan status could also been change under GUI. | | Pass | |
| confirm the ri | | ide of functions are work | Fan status under console. | | Pass | |
| normally. | | | Smart fan, if temperature upgrade, the rotational speed of fan was increased. | | Pass | |
| | | | Hot-swap each fan module 10 times, the system was not generate any abnormal message. | | Pass | |
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| Item Tes | st | LED | Color of Front Panel | | | |
|----------------|--------------------------|---|--|-------|----------|--|
| | | Test Procedu | ıre | | Result | |
| | | | Power Fail LED | | Blue/Red | |
| Check LED cc | vlor of | f front nanol | Temperature Alarm LED | | Blue/Red | |
| | | | Fan Alarm LED | | Blue/Red | |
| | | | HDD Access LED | | Blue/Red | |
| | | | | | | |
| Item Tes | Item Test Voltage Sensor | | | | | |
| | | Test Procedu | ıre | | Result | |
| To check if va | alue c | of the voltage from the specific | Check voltage under Hypertern status. | ninal | Pass | |
| function show | ving t | he status is ok. | Check voltage under GUI | | Pass | |
| | | | | | | |
| Item Tes | st | | HDD Interface | | | |
| Test Procedure | | | | | | |
| HDD, and che | eck al | sk bays, then hot swap some Il access LED,and RS-232 Iormal. HDD could be | SAS HDD | | Pass | |
| | terfac | e. The right side of list are the | SATA HDD | | Pass | |
| | | | | | | |
| Item Tes | st | | Power Cycle | | | |
| | | Test Procedu | ire | | Result | |
| | | ele to verify if JBOD boot and dly, the system still runs | Power cycle this device 15 time check the expander could be detected, and no error messag be occured. | | Pass | |
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| Item Test | | SAS Zoning | | | | |
|--|--|---|-------------------------|--|--|--|
| | Test Procedu | Result | | | | |
| | Test Hoteut | | Result | | | |
| | | Take HDD to build zonecount1, run Iometer under this HDD gro configuration. | | | | |
| Applying SAS Zoni group. | ng function to segment HDD | Take HDD to build zonecount4, run Iometer under this HDD gro configuration. | | | | |
| | | Take HDD to build zonecount2, run Iometer under this HDD gro configuration. | | | | |
| | | | | | | |
| Item Test | | Expander | | | | |
| | Test Procedu | ure | Result | | | |
| Check channel of expander that function is ok. Check channel of expander that function is ok. Check channel of expander that function is ok. | | | | | | |
| | | | | | | |
| Item Test | S | ES Lighting Signal | | | | |
| | Test Procedu | ure | Result | | | |
| | | Request consistency check in progress | Pass | | | |
| | | Request in critical array | Pass | | | |
| | | Request in failed array | Pass | | | |
| | | Request rebuild/ remap | Pass | | | |
| | ing signal, using sg3_utils tool node of each status is correct. | Request rebuild/ remap aborted | d Pass | | | |
| | | Request device missing indicati | on Pass | | | |
| | | Request insert | Pass | | | |
| | | Request removal | Pass | | | |
| | | Request identify | Pass | | | |
| | | Request fault indication | Pass | | | |
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| Item Te | st | Τe | emperature Sensor | | |
|--|-----------------|---|---|--------|--------|
| | | Test Procedu | ıre | | Result |
| | | | T1, T2, warning, Alarm value configuration setting | | Pass |
| | | | Temperature detected status u GUI | nder | Pass |
| When tompo | rotur | a concer \geq designated degree | Temperature detected status u Hyperterminal | nder | Pass |
| the GUI will s speed from t | spring he RS | e sensor \geq designated degree, y up warning message, and fan 5232 console showing the | Break through T1 value, the rotational speed of fan was increased | | Pass |
| status is norr | mai. | | Break through alarm value, the fail led will light up | en the | Pass |
| | | | Break through alarm value, bee from buzzer | ер | Pass |
| | | | Break through alarm value, RP fan is the highest | M of | Pass |
| | | | | | |
| Item Te | st | F | irmware Upgrade | | |
| | | Test Procedu | ıre | | Result |
| | he fir | mware then check if upgrade | In band mode(debug port) | | Pass |
| successfully. | | | Out-of-band mode(console por | t) | Pass |
| | | | | | |
| Item Te | st | | Burn-in Test | | |
| | | Test Procedu | ıre | | Result |
| • | | e assessment tool, let JBOD | Adjust conf. to 100% read | | Pass |
| status was m | nainta | in full loading on 12 hours. | Adjust conf. to 100% write | | Pass |
| | | | | _ | |
| Item Te | st | | Power Saving | | |
| Test Procedure | | | | | Result |
| Check power saving function is ok. Key in "sas_standby_timer" command under console, then waiting a little time, check current was diminished. | | | | | |
| | | | | | |
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6 RAID Card Test

| 6 RAID Card Test | | | | | | |
|----------------------------------|--|--|-----------|----------------------|--------|--|
| Test Engineer | | Jack Huang | | | | |
| Model Name | | XJ3000-4603 | | | | |
| Firmware | | Hub: LSISAS2xFW-01.11.02.52 / Edge: LSISAS2xFW-01.11.03.52 | | | | |
| MFG | | Hub: 1.2.0.51 Left Edge: 1.3.0.51 Right Edge:1.3.1.51 | | | | |
| Expander Boar | d | B46-LISAXXE-00C110(Reworked as B46-LISAXXE-00C210) | | | | |
| Backplane | | B40-4AMMTMXX00B010, B40-4AMPTMXX00A010(Reworked as B40- 4AMPTMXX00A110, B40-4AMMTMXX00B110) | | | | |
| RAID Card | | Intel RAID RS2PI008 | Driver | 6.600 | .23.0 | |
| Power Housing | | Zippy M1X4-7AH9V0H | | | | |
| Power Module | | Zippy M1X-3700V | | | | |
| | | | | | | |
| RAID Function | | Test Procedure | | | Result | |
| | Create/Rem | ove a RAID 0 volume | | | Pass | |
| | Create/Rebuild/Remove a RAID 1 volume | | | | Pass | |
| | Create/Rebuild/Remove a RAID 5 volume | | | Pass | | |
| | Create/Rebuild/Remove a RAID 6 volume | | | | Pass | |
| | Create/Rebuild/Remove a RAID 10 volume | | | Pass | | |
| Intel RS2PI008 | Create/Rebuild/Remove a RAID 50 volume | | | Pass | | |
| RAID Function | Remove a crashed RAID 0 volume | | | Pass | | |
| | Remove a crashed RAID 1 volume | | | | Pass | |
| | Remove a crashed RAID 5 volume | | | | Pass | |
| | Remove a crashed RAID 6 volume | | | Pass | | |
| | Remove a crashed RAID 10 volume | | | Pass | | |
| | Remove a ci | rashed RAID 50 volume | | | Pass | |
| Note: 1. <u><i>There are</i></u> | <u>e some stran</u> | ge information under RAID card's BIO. | <u>S.</u> | | | |
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7 HBA Card Test

| Test Engineer | | Jack Huang | | | | | |
|--|---|--|--------|--------|------------|--|--|
| Model Name | | XJ3000-4603 | | | | | |
| Firmware | | Hub: LSISAS2xFW-01.11.02.52 / Edge: LSISAS2xFW-01.11.03.52 | | | | | |
| MFG | | Hub: 1.2.0.51 Left Edge: 1.3.0.51 Right Edge:1.3.1.51 | | | | | |
| Expander Board | b | B46-LISAXXE-00C110(Reworked as B46-LISAXXE-00C210) | | | | | |
| Backplane | | B40-4AMMTMXX00B010, B40-4AMPTMXX00A010(Reworked as B40- 4AMPTMXX00A110, B40-4AMMTMXX00B110) | | | | | |
| RAID Card | | LSI 9206-16E | Driver | 2.0.66 | 0.66.0 | | |
| Power Housing | | Zippy M1X4-7АН9V0Н | | | | | |
| Power Module | | Zippy M1X-3700V | | | | | |
| | | | | | | | |
| HBA Function | | Test Procedure | | | Result | | |
| LSI 9206-16E HBA Card | Expander SA | nile using LSI 9206-16E HBA to connect with XJ3000-4603 Single pander SAS JBOD. Then check if all hard drives can be detect by I BIOS utility. | | | Pass | | |
| | While using LSI 9206-16E HBA to connect with XJ3000-4603 Single Expander SAS JBOD. Then check if all hard drives can be detect by GUI. | | | | Pass | | |
| | While using LSI 9206-16E HBA to connect with XJ3000-4603 Single Expander SAS JBOD. Then check if all hard drives can be detect by OS Disk management. | | | | Pass | | |
| Note: 1. <u>While using LSI 9206-16E HBA card to locate LED of the slot, it did not respond.</u> | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | AIC Inc. | REV A3 | | | | |
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| Item | Descriptions | Result |
|------------------------|--------------------------|--------|
| | Power Module | Pass |
| | System Fan | Pass |
| | LED Color of Front Panel | Pass |
| | Voltage Sensor | Pass |
| | HDD Interface | Pass |
| | Power Cycle | Pass |
| nclosure Function Test | SAS Zoning | Pass |
| | Expander | Pass |
| | SES Lighting Signal | Pass |
| | Temperature Sensor | Pass |
| | Firmware Upgrade | Pass |
| | Burn-in Test | Pass |
| | Power Saving | Pass |
| AID Card Test | Intel RS2PI008 | Pass |
| BA Card Test | LSI 9206-16e | Pass |
| | | |
| | | |
| AIC | | REV A3 |

Bug List

2

2013/11/26

С

| Bug List | | | | | | | |
|----------|--------|-------------------|-------|--|-----------|--------|---|
| Class | | | | | | | |
| ļ | 4 I | Major | | | | | |
| E | B I | Minor | | | | | |
| (| C I | Limitation | | | | | |
| [| D (| Other(Suggestion) | | | | | |
| | | | | | | | |
| NO. | Da | te | Class | Bug/Limitation/Suggestion | Initiator | Status | Solution |
| 1 | 2013/1 | 1/26 | С | Using LSI 9206-16E HBA Card couldn,t locate LED. But Adaptec 7085H could locate LED. | Jack | Close | It is known limitation while hidden right/left expander. |

While using Intel RS2PI008 RAID

card, there are some strange

information under BIOS.

ex.Device##: Unknow etc…

AIC

It is known

expander.

Jack

limitation while Close hidden right/left