96RC-SAS-4P-PE-LS
Test Report

Test Requestor	Rick.Li	Job Title		Release Date	2010-11-15
Testing Engineer	Jier.liu	Job Title		Revision	V1.0
Approved by	Sophie.Song	Job Title		Release Status	Formal Release

1. Product Information:

Advantech Part Number	**96RC-SAS-4P-PE-LS**
Manufacturer	**LSI**
Model Number	**MR SAS 9240-4i**
Host computer interface	**x8 PCI Express 2.0 host interface**
Hard disk drive interface	**SAS/SATA**
Fireware	**2.0.04-0767**
Array level	**RAID levels 0, 1, 5, 10**
Support OS	**Windows XP/7/2003/2008**
RoHS Status (Yes/No)	**YES**
Product Photo	
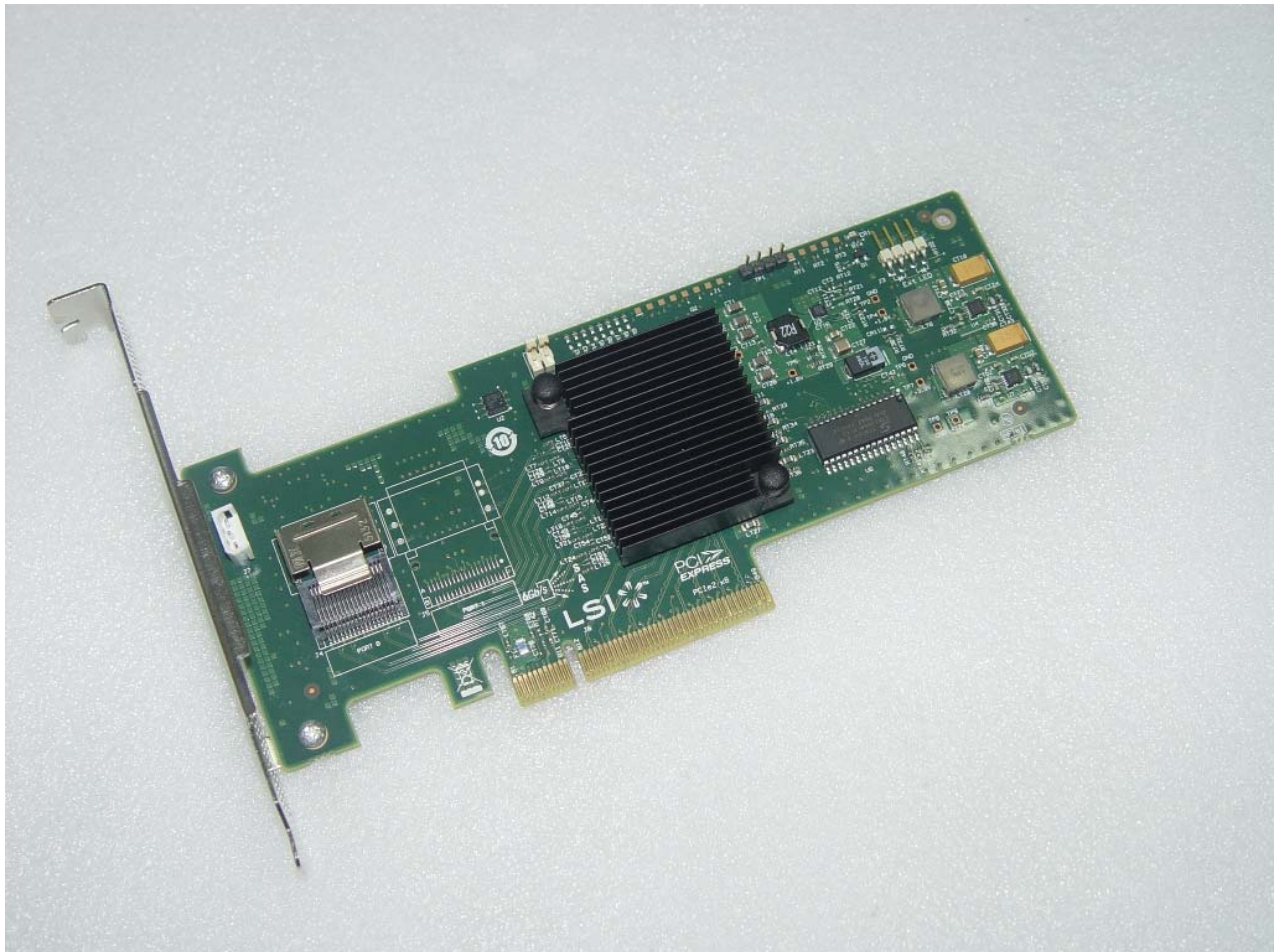
2. Test Software

1).NFCtest;

2). HD Tach version 3.0.4.0;

3). HD Tune version 2.52;

4). Power on/off;

5). Burn_inV6.0.

3. Test Criteria:

1、 POST and BIOS should show the correct model name;

2、 Raid 0,1,5,10 can be Created and successfully installed OS.

3、 Windows xp/2003/2008/7 can be installed and boot into OS properly;

4、 There is no any error during formatting the HDD;

5、 Device manager should show the correct model name and capacity;

6、 Run NFCtest 3 rounds from one partition to another under windows;

7、 Run software "HD Tach version 3.0.4.0 and HD Tune version 2.52", Record the benchmark score;

10、 Run Power on off 100 times，successful boot rate 100%；

11、 Run burn_inV6.0, Set DISK loading 100%,all disks file size 15%；The result of all disks should be passed when running Burn_in V6.0 for 12 hours.

4. Test Result

Test Platform	Core Chipset	Testing Result	Note
PCE-7214	Intel E5100 + ICH9R	**PASS**	
PCE-5124	Intel Q35 GMCH+ICH9DO	**PASS**	
PCE-5125	Intel Q57	**PASS**	
AIMB-780W	Intel 3450	**PASS**	
AIMB-766	Intel Q35+ICH9 DO	**PASS**	
Note: The following mother board can't used the RAID card-SAS 9240-4i: AIMB-554/762/262/258; PCE-7210/5020/5130.			

5. Appendix

1).HDD information

Brand Name	Model	Capacity(GB)	Note
WD	WD1002FBYS-02A64B0	1.0TB	
HITACHI	HDT721010SLA360	1.0TB	
Seagate	ST3250318AS	250GB	
Seagate	ST32000542AS	2.0TB	
ADVANTECH（SSD）	SQF-S25M4-16G	16G	不能安装 Windows 2003
Seagate	ST9146802SS	146G	

2).HDD Dock

Brand Name	Model	Note
ICYDOCK	MB991LK-B	2.5''SAS/SATA　HDD&SSD Mobile rack for 3.5'' drive bay
ICYDOCK	MB994SP-4S	4X2.5'' SATA/SAS HDD&SSD Mobile rack for 1x5.25'' device bay
ICYDOCK	MB982LP-1S	2.5'' to 3.5'' SAS&SATA HDD/SSD converter
ICYDOCK	MB4531PF-B	3 in 2 SATA/SAS backplane module