96RACK-5SS-CAGE-CR

Test Report

Test Requestor	Lydia.Liu	**Job Title**		**Release Date**	2010-11-22
Testing Engineer	Mark.ma	**Job Title**		**Revision**	V1.0
Approved by	Sophie.Song	**Job Title**		**Release Status**	Formal Release

Drawings and specifications herein are property of Advantech and shall not be reproduced or copied or used without prior written permission.

1. Product Information:

Advantech Part Number	**96RACK-5SS-CAGE-CR**
Manufacturer:	**ICYDOCK**
Model Number:	**MB994SP-4S**
Interface:	**SAS/SATA**
Product Description:	**ICYDOCK 4X2.5" SATA/SAS HDD&SSD Mobile rack for 1x5.25" device bay**
Dimension (W x H x D) :	**146×41.3×170 mm**
RoHS Status (Yes/No)	**YES**
Product Photo	

Drawings and specifications herein are property of Advantech and shall not be reproduced or copied or used without prior written permission.

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、Windows xp/2003/2008/7 can be installed and boot into OS properly;
2、Raid 0,1,5,6 can be Created and successfully installed OS(Use Raid Card);
3、POST and BIOS should show the correct model name;
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", Recording the benchmark score and compare the score to other product.
8、Run Power on off 100 times，successful boot rate 100%;
9、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-5020	Intel 945G + ICH7	PASS	
PCE-5124	Q35 GMCH + ICH9DO ICH	PASS	
PCE-5130	Intel 945GME+ ICH7M-DH	PASS	
AIMB-780W	Intel 3450(WS version) Chipset	PASS	
AIMB-554	Intel 945GM with ICH7M-DH	PASS	
AIMB-556	Intel GME965 with ICH8M	PASS	
PCE-7214	Intel® E5100 MCH+ ICH9R	PASS	
PCE-7210	Intel® E7520 with 6300ESB	PASS	

Drawings and specifications herein are property of Advantech and shall not be reproduced or copied or used without prior written permission.

5. Appendix

1).HDD information

Brand Name	Model	Capacity(GB)	Note
WD	WD 1200BEVS	120GB	
Seagate	ST9146802SS	146GB	
ADVANTECH（SSD）	SQF-S25M4-16G	16G	
TOSHIBA	MK2565GSX	250G	

2). RAID Card :

Brand Name	Model	Note
LSI Memg RAID	SAS 8708EM2	LSI eight-port MegaRAID•LSISAS1078(ROC) •256MB DDRII Cache•x8 PCI Ex
LSI Memg RAID	SAS 8704EM2	LSI four-port MegaRAID •LSISAS1078 (ROC) •128MB DDRII Cache•x8 PCI Ex
LSI Memg RAID	SAS 9260-8i	LSI eight-port MegaRAID•LSISAS2108 (ROC) •512MB DDRII Cache•x8 PCI Ex
HighPoint	RocketRAID 2640×4	

Drawings and specifications herein are property of Advantech and shall not be reproduced or copied or used without prior written permission.