

FS-A70

Test Report

Edition 1.2



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1. Function test

1.1 Hardware function

Base Function Test

1	Power Button	PASS
2	Reset	PASS
3	Power LED	PASS
4	HDD LED	PASS
5	SATA1	PASS
6	SATA2	PASS
7	SATA3	PASS
8	SATA4	PASS
9	SATA5	PASS
10	SATA6	PASS
11	USB1	PASS
12	USB2	PASS
13	USB3	PASS
14	DDRII A	PASS
15	DDRII B	PASS
16	Floppy	PASS
17	LPT	PASS
18	COM1	PASS
19	COM2	PASS
20	VGA Port	PASS
21	PS2	PASS
22	AUDIO Port	PASS

23	CD_IN	PASS
24	CN_ATKB	PASS
25	Mini PCI	PASS
26	IrDA	PASS
27	DIO	PASS
28	NBFAN	PASS
29	CPUFAN	PASS
30	SYSFAN	PASS
31	PIC	PASS
32	PCI-E X16	PASS
33	PCI-E X4	PASS
34	PCI-E X1	PASS

Jumper

1	JRTC	PASS
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1.2 BIOS function

Item	Description	Result	Remark
1	Press 'Del' to run Setup Utility	PASS	
2	Ctrl-Alt-Del – Soft-Reboot	PASS	
3	Save & Exit Setup	PASS	
4	Date & Time Setting	PASS	
5	Drive A	PASS	
6	Quick Power On Self Test	PASS	
7	Boot Device Setting	PASS	
8	Boot Up Floppy Seek	PASS	
9	Boot Up Num Lock Status	PASS	
10	On Chip Secondary PCI IDE	PASS	
11	ACPI Suspend Type	PASS	
12	Halt On	PASS	
13	Onboard Serial Port	PASS	
14	USB Controller	PASS	
15	USB Keyboard Support	PASS	
16	Onboard FDC Controller	PASS	
17	Soft-Off by PWRBTN	PASS	
18	Power On Function	PASS	
19	ACPI Function	PASS	
20	Hot Key Password	PASS	
21	Wake-up by PCI card	PASS	
22	Resume by Alarm	PASS	
23	Watch Dog Timer Select	PASS	

24	Init Display First	PASS	
25	Onboard Parallel Port	PASS	
26	PWRON After PWR-Fail	PASS	
27	Power On by Ring	PASS	
28	Set Supervisor Password	PASS	
29	Set User Password	PASS	
30	UART Mode Select	PASS	
31	RxD , Txd Active	PASS	
32	IR Transmission Delay	PASS	
33	UR2 duplex Mode	PASS	
34	Use IR Pins	PASS	

1.3 Driver

1. Windows XP SP2 Driver Test

Item	Description	Result	Remark
1	Chipset Driver	PASS	
2	VGA Driver	PASS	
3	Audio Driver	PASS	
4	LAN Driver	PASS	

2. Windows Server 2003 Driver Test

Item	Description	Result	Remark
1	Chipset Driver	PASS	
2	Audio Driver	PASS	
3	LAN Driver	PASS	

2. Compatibility test

2.1 CPU Test

Spec	CPU Speed	Family	Processor	FSB	L2 Size	Result
SLACR	2.40 GHz	Core 2 Quad	Q6600	1066 MHz	8MB	PASS
SL9UM	2.40 GHz	Core 2 Quad	Q6600	1066 MHz	8 MB	PASS
SLAPC	2.53 GHz	Core 2 Duo	E7200	1066 MHz	3 MB	PASS
SLAVN	2.53 GHz	Core 2 Duo	E7200	1066 MHz	3 MB	PASS
SL9TA	1.86 GHz	Core 2 Duo	E6300	1066 MHz	8 MB	PASS
SL9XP	1.60 GHz	Celeron	420	800 MHz	512 KB	PASS
SL9XL	2 GHz	Celeron	440	800 MHz	512 KB	PASS

2.2 Memory Test

DDRII DRAM	DDRII Freq	Capacity Mbytes	Operating System	Result
Transcend (K4T51083QC)	DDRII 800	1GB	WinXP, Server2003	
Transcend (K4T1G084QA-ZCE6)	DDRII 667	2GB	WinXP, Server2003	
Kingston (V59C1512804QBF25)	DDRII 533	512MB	WinXP, Server2003	
Kingston (V59C1512804QBF25)	DDRII 800	1GB	WinXP, Server2003	

2.3 VGA Graphic Test

1. Windows XP

Item	Description	Result	Remark
1	Resolution/Color Change	PASS	
2	CRT Display Test	PASS	
3	CRT Display Quality Test	PASS	

2. Windows Vista

Item	Description	Result	Remark
1	Resolution/Color Change	PASS	
2	CRT Display Test	PASS	
3	CRT Display Quality Test	PASS	

2.4 Audio Test

1. Windows XP

Item	Description	Result	Remark
1	Driver Install	PASS	
2	Sound Effect	PASS	
3	Equalizer	PASS	
4	Microphone	PASS	

2. Windows Server 2003

Item	Description	Result	Remark
1	Driver Install	PASS	
2	Sound Effect	PASS	
3	Equalizer	PASS	
4	Microphone	PASS	

2.5 HDD Test

HDD Type	Operating System	HDD Size Detect	HDD Data Transfer	HDD LED Check
Western Digital WD1600JS-00MHB0 160GB	MS-DOS	PASS	PASS	PASS
HITACHI HDT722525DL380 250GB	WinServer2003	PASS	PASS	PASS
	Win XP			
Western Digital WD800JD-75MSA3 80G	Vista	PASS	PASS	PASS

2.6 CD-ROM Test

CD-ROM Type	Operating System	CD-ROM Detect	CD-ROM Data Transfer	PLAY DVD
LITEON DVD SOSC-2485KX	WinServer2003	PASS	PASS	PASS
	Vista			
LITEON DVD SOSW-833SX	Win XP	PASS	PASS	PASS
	Mandriva 2007			

2.7 USB Test

1. Windows XP

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	External USB Keyboard Test	PASS	
3	External USB Mouse Test	PASS	
4	Hot plugging test	PASS	

2. Windows Server 2003

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	External USB Keyboard Test	PASS	
3	External USB Mouse Test	PASS	
4	Hot plugging test	PASS	

3. Windows Vista

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	External USB Keyboard Test	PASS	
3	External USB Mouse Test	PASS	
4	Hot plugging test	PASS	

2.8 Serial Port Test

1. MS-DOS

Item	Description	Result	Remark
1	RS-232 Mouse Test	PASS	
2	RS-232 Modem Test	PASS	
3	B&B Electronics COM Port RS-232 Test (W/Loop-Back)	PASS	

2. Windows Server 2003

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	RS-232 Mouse Test	PASS	

3. Windows XP

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	RS-232 Mouse Test	PASS	

2.9 Keyboard、 Mouse Test

1. MS-DOS

Item	Description	Result	Remark
1	Keyboard LED Status Test	PASS	
2	Keyboard Typing Test	PASS	

2. Windows XP

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

3. Windows Server 2003

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

4. Windows Vista

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	Keyboard Typing Test	PASS	
3	Mouse Detect Test	PASS	

2.10 LAN Test

1. Windows XP SP2

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	Data Transfer Test	PASS	

2. Windows Server 2003

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	Data Transfer Test	PASS	

3. Windows Vista

Item	Description	Result	Remark
1	Device Manager Check	PASS	
2	Data Transfer Test	PASS	

2.11 Power Supply Test

1. MS-DOS

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	PASS	Coolive AP-350F
2	ATX Power On/Off	PASS	HEC WINDMILL PRO 315W
3	ATX Power On/Off	PASS	Seasonic SS-380-HB 380W

2. Windows XP

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	PASS	Coolive AP-350F
2	ATX Power On/Off	PASS	HEC WINDMILL PRO 315W
3	ATX Power On/Off	PASS	Seasonic SS-380-HB 380W

3. Windows Server 2003

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	PASS	Coolive AP-350F
2	ATX Power On/Off	PASS	HEC WINDMILL PRO 315W
3	ATX Power On/Off	PASS	Seasonic SS-380-HB 380W

4. Windows Vista

Item	Description	Verification	
		Result	Remark
1	ATX Power On/Off	PASS	Coolive AP-350F
2	ATX Power On/Off	PASS	HEC WINDMILL PRO 315W
3	ATX Power On/Off	PASS	Seasonic SS-380-HB 380W

2.12 Floppy Drive Test

Floppy	Operating System	Floppy Drive Detect	Floppy Data Transfer
MITSUMI 353M3	MS-DOS Windows XP SP2 Windows Server 2003	PASS	PASS
MITSUMI 53M3D		PASS	PASS
SONY MPF920-E		PASS	PASS
MITSUMI D353T6		PASS	PASS

2.13 Boot Up Test

Item	Description	Result	Remark
1	Soft boot from HDD	PASS	
2	Soft boot from CD-ROM	PASS	
3	Soft boot from Floppy	PASS	
4	Reboot test with Win XP	PASS	
5	Reboot test with Win Server 2003	PASS	

2.14 Os Install

Item	Description	Result	Remark
1	Windows Vista	PASS	
2	Windows XP SP2	PASS	
3	Windows Server 2003	PASS	
4	Fedora Code 6	PASS	

2.15 Print Port Test

1. Window XP

Item	Description	Result	Remark
1	ECP/EPP PRINT TEST	PASS	

2. Window 2003

Item	Description	Result	Remark
1	ECP/EPP PRINT TEST	PASS	

2.16 Backplane (PICMG1.3)

Item	BRAND	MODEL	Result	Remark
1	IEI	PE-6S2	PASS	
2	IEI	PE-10S	PASS	

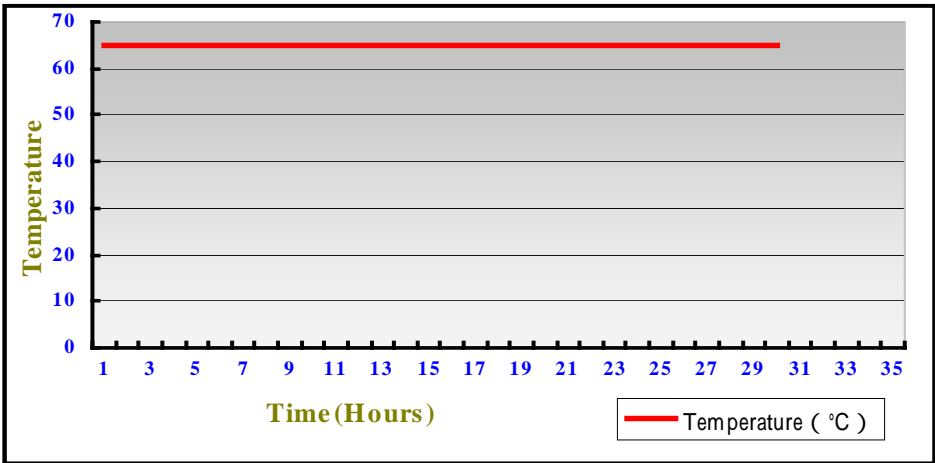
3. Environmental test

3.1 Temperature Test

Hardware Device list:

System Board	FS-A70
CPU	Intel Core 2 Duo 1.86GHZ
Memory	Transcend DDRII 800 1GB (K4T51083QC) Transcend DDRII 800 1GB (K4T51083QC)
HDD	Western Digital WD800JD-75MSA3 80GB
Operating OS	Windows XP
Test Equipment	THERMOTRON 2800 Programmer/Controller
Test Program	3DMark 2003

Test Result:



Boot Up Test:

Temperature	Result	Remark
-20	PASS	50 Times
70	PASS	50 Times

4. Reliability Test

4.1 Power Consumption Test

1. Test Environment:

CPU	Intel Core 2 Duo 1.8GHZ
Memory	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)
HDD	Western Digital WD800JD-75MSA3 80GB
Test OS	Windows XP
Test Program	3DMARK 2003

Test Result:

Voltage	Current (A)	Power (W)	Remark
12V	2.72	32.64	
5V	6.93	34.65	
5VSB	0.95	4.75	

2. Test Environment:

CPU	Intel Core 2 Duo 1.86GHZ
Memory	Transcend DDRII 800 1GB (K4T51083QC) Transcend DDRII 800 1GB (K4T51083QC)
HDD	Western Digital WD800JD-75MSA3 80GB
Test OS	Windows XP
Test Program	3DMARK 2003

Test Result:

Voltage	Current (A)	Power (W)	Remark
12V	2.73	32.76	
5V	7.19	35.95	
5VSB	1.02	5.1	

3. Test Environment:

CPU	Intel Core 2 Quad 2.4GHZ
Memory	Transcend DDRII 800 1GB (K4T51083QC) Transcend DDRII 800 1GB (K4T51083QC)
HDD	Western Digital WD800JD-75MSA3 80GB
Test OS	Windows XP
Test Program	3DMARK 2003

Test Result:

Voltage	Current (A)	Power (W)	Remark
12V	6.37	76.44	
5V	7.42	37.1	
5VSB	1.2	6	

4. Test Environment:

CPU	Intel Core 2 Quad 2.4GHZ
Memory	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)
HDD	Western Digital WD800JD-75MSA3 80GB
Test OS	Windows XP
Test Program	3DMARK 2003

Test Result:

Voltage	Current (A)	Power (W)	Remark
12V	6.32	75.84	
5V	7.43	35.15	
5VSB	1.03	5.15	

5. Test Environment:

CPU	Intel Core 2 Duo 1.86GHZ
Memory	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)
HDD	Western Digital WD800JD-75MSA3 80GB
Test OS	Windows XP
Test Program	3DMARK 2003

Test Result:

Voltage	Current (A)	Power (W)	Remark
12V	2.91	34.92	
5V	7.22	36.1	
5VSB	1.34	6.7	

6. Test Environment:

CPU	Intel Core 2 Duo 1.8GHZ
Memory	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)
HDD	Western Digital WD800JD-75MSA3 80GB
Test OS	Windows XP
Test Program	3DMARK 2003

Test Result:

Voltage	Current (A)	Power (W)	Remark
12V	2.7	32.4	
5V	7.12	35.6	
5VSB	1.34	6.7	

7. Test Environment:

CPU	Intel PENTIUM 4 3.4GHZ
Memory	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)
HDD	Western Digital WD800JD-75MSA3 80GB
Test OS	Windows XP
Test Program	3DMARK 2003

Test Result:

Voltage	Current (A)	Power (W)	Remark
12V	5.79	69.48	
5V	7.39	36.95	
5VSB	0.81	4.05	

8. Test Environment:

CPU	Intel PENTIUM 4 3.4GHZ
Memory	Transcend DDRII 800 1GB (K4T51083QC) Transcend DDRII 800 1GB (K4T51083QC)
HDD	Western Digital WD800JD-75MSA3 80GB
Test OS	Windows XP
Test Program	3DMARK 2003

Test Result:

Voltage	Current (A)	Power (W)	Remark
12V	5.87	70.44	
5V	7.76	38.8	
5VSB	0.87	4.35	

9. Test Environment:

Motherboard	FS-A70
CPU	Intel Core 2 Duo 1.86GHZ
Memory	Transcend DDRII 800 1GB (K4T51083QC) Transcend DDRII 800 1GB (K4T51083QC)
Power Supply	Seventeam ST-300WAP

Voltage	Current (A)	Power (W)	Remark
12V	2.39	28.68	Boot Up
5V	5.26	26.3	Boot Up
5Vsb	0.46	2.3	Boot Up

10. Test Environment:

Motherboard	FS-A70
CPU	Intel PENTIUM 4 3.4GHZ
Memory	Transcend DDRII 800 1GB (K4T51083QC) Transcend DDRII 800 1GB (K4T51083QC)
Power Supply	Seventeam ST-300WAP

Voltage	Current (A)	Power (W)	Remark
12V	4.87	58.44	Boot Up
5V	5.52	27.6	Boot Up
5Vsb	0.51	2.55	Boot Up

11. Test Environment:

Motherboard	FS-A70
CPU	Intel Core 2 Duo 1.8GHZ
Memory	Transcend DDRII 800 1GB (K4T51083QC) Transcend DDRII 800 1GB (K4T51083QC)
Power Supply	Seventeam ST-300WAP

Voltage	Current (A)	Power (W)	Remark
12V	2.18	26.16	Boot Up
5V	5	25	Boot Up
5Vsb	0.33	1.65	Boot Up

12. Test Environment:

Motherboard	FS-A70
CPU	Intel Core 2 Quad 2.4GHZ
Memory	Transcend DDRII 800 1GB (K4T51083QC) Transcend DDRII 800 1GB (K4T51083QC)
Power Supply	Seventeam ST-300WAP

Voltage	Current (A)	Power (W)	Remark
12V	5.93	71.16	Boot Up
5V	5	25	Boot Up
5Vsb	0.4	2	Boot Up

4.3 Thermal measurements at various points on the board

Test Environment :

CPU	Intel Core 2 Quad 2.4GHZ
Memory	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)
HDD	Western Digital WD800JD-75MSA3 80GB
Power	Seventeam ST-300WAP
Operating System	Windows XP
Test Program	3D WinMark2003

Test Result:

CPU	33.4°C
Q965 (Northbridge)	53.5°C
ICH8DO (Southbridge)	57.8°C
U5	53.3°C
LPCID	43.3°C
U13	49.8°C
U16	52.3°C
U18	42.5°C
U22	58°C

Test Environment :

CPU	Intel Core 2 Duo 1.86GHZ
Memory	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)
HDD	Western Digital WD800JD-75MSA3 80GB
Power	Seventeam ST-300WAP
Operating System	Windows XP
Test Program	3D WinMark2003

Test Result:

CPU	28.4°C
Q965 (Northbridge)	46.1°C
ICH8DO (Southbridge)	55.1°C
U5	50.9°C
LPCID	41.8°C
U13	42.3°C
U16	46.3°C
U18	40.2°C
U22	54.3°C

5. Performance Test

5.1 Business Win Stone 2002

Windows XP SP2

WEIGHTED SUITE	Test Environment	Result	Remark
Business Win stone2002	Intel Pentium 4 3.4GHZ	Pass	
	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)		31
	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)		31.9
	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)		31.5
	Western Digital WD800JD-75MSA3 80GB		31.3
Business Win stone2002	Intel Core 2 Duo 1.86GHZ	Pass	
	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)		38.3
	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)		38
	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)		37.8
	Western Digital WD800JD-75MSA3 80GB		37.4
Business Win stone2002	Intel Core 2 Duo 1.86GHZ	PASS	
	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)		37
	Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)		37
	Western Digital WD800JD-75MSA3 80GB		37.2
			37.5

5.2 Business Win Stone 2004

Windows XP SP2

WEIGHTED SUITE	Test Environment	Result	Remark
<p align="center">Business Win stone2004</p>	<p align="center">Intel Core 2 Duo 2.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB</p>	<p align="center">Pass</p>	<p align="center">20 19.7 19.7 20.2 20</p>
<p align="center">Business Win stone2004</p>	<p align="center">Intel Core 2 Duo 1.86GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB</p>	<p align="center">PASS</p>	<p align="center">21.7 20.8 22 11.7 20.1</p>
<p align="center">Business Win stone2004</p>	<p align="center">Intel Pentium 4 3.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) WesternDigital WD800JD-75MSA3 80GB</p>	<p align="center">PASS</p>	<p align="center">17.5 16 17.8 13.8 15.2</p>

5.3 Content Creation Winstone

Windows XP XP2

WEIGHTED SUITE	Test Environment	Result	Remark
<p align="center">Content Creation Winstone 2004</p>	<p align="center">Intel Pentium 4 3.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) WesternDigital WD800JD-75MSA3 80GB</p>	<p align="center">Pass</p>	<p align="center">26.6 26.5 26.7 26.7 26.8</p>
<p align="center">Content Creation Winstone 2004</p>	<p align="center">Intel Core 2 Duo 1.86GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) WesternDigital WD800JD-75MSA3 80GB</p>	<p align="center">PASS</p>	<p align="center">34.7 34.7 34.9 34.9 34.7</p>
<p align="center">Content Creation Winstone 2004</p>	<p align="center">Intel Core 2 Duo 1.8 GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) WesternDigital WD800JD-75MSA3 80GB</p>	<p align="center">PASS</p>	<p align="center">33.7 33.7 33.8 33.7 33.6</p>

5.4 3D MARK

Windows XP SP2

WEIGHTED SUITE	Test Environment	Result	Remark
3DMARK2001 Scores	Intel Core 2 Quad 2.4GHZ Kingston DDRII 667 1GB (E5108AE-6E-E) Western Digital WD800JD-75MSA3 80GB	Pass	4872
3DMARK2003 Scores		Pass	1359
3DMARK2005 Scores		Pass	652

WEIGHTED SUITE	Test Environment	Result	Remark
3DMARK2001 Scores	Intel Core 2 Quad 2.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB	Pass	7461
3DMARK2003 Scores		Pass	2086
3DMARK2005 Scores		Pass	854

WEIGHTED SUITE	Test Environment	Result	Remark
3DMARK2001 Scores	Intel Core 2 Duo 1.86GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB	Pass	6022
3DMARK2003 Scores		Pass	1825
3DMARK2005 Scores		Pass	743

WEIGHTED SUITE	Test Environment	Result	Remark
3DMARK2001 Scores	Intel Pentium 4 3.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB	Pass	4715
3DMARK2003 Scores		Pass	1327
3DMARK2005 Scores		Pass	515

5.5 3D MARK2006

Windows XP SP2

Item	WEIGHTED SUITE	Test Environment	Result	Remark
1	3DMARK Source	Intel Core 2 Quad 2.4GHZ Kingston DDRII 667 1GB (E5108AE-6E-E) Western Digital WD800JD-75MSA3 80GB	Pass	214
2	SM2.0 Source		Pass	97
3	HDR/SM3.0 Source		Pass	N/A
4	CPU Source		Pass	3342

Windows XP SP2

Item	WEIGHTED SUITE	Test Environment	Result	Remark
1	3DMARK Source	Intel Core 2 Quad 2.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB	Pass	309
2	SM2.0 Source		Pass	141
3	HDR/SM3.0 Source		Pass	N/A
4	CPU Source		Pass	3345

Windows XP SP2

Item	WEIGHTED SUITE	Test Environment	Result	Remark
1	3DMARK Source	Intel Core 2 Duo 1.8GHZ Transcend DDRII 667 2GB	Pass	279
2	SM2.0 Source	(K4T1G084QA-ZCE6) Transcend DDRII 667 2GB	Pass	128
3	HDR/SM3.0 Source	(K4T1G084QA-ZCE6) Western Digital	Pass	N/A
4	CPU Source	WD800JD-75MSA3 80GB	Pass	1598

Windows XP SP2

Item	WEIGHTED SUITE	Test Environment	Result	Remark
1	3DMARK Source	Intel Pentium 4 3.4GHZ Transcend DDRII 667 2GB	Pass	212
2	SM2.0 Source	(K4T1G084QA-ZCE6) Transcend DDRII 667 2GB	Pass	98
3	HDR/SM3.0 Source	(K4T1G084QA-ZCE6) Western Digital	Pass	N/A
4	CPU Source	WD800JD-75MSA3 80GB	Pass	787

5.6 PC MARK2002

Test Environment
Intel Core 2 Quad 2.4GHZ Kingston DDRII 667 1GB (E5108AE-6E-E) Western Digital WD800JD-75MSA3 80GB

Windows XP SP2

Item	WEIGHTED SUITE	Result	Remark
1	CPU test Source	Pass	9494
2	Memory test Source	Pass	29577
3	HDD test Source	Pass	1432

Test Environment
Intel Core 2 Quad 2.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB

Windows XP SP2

Item	WEIGHTED SUITE	Result	Remark
1	CPU test Source	Pass	9526
2	Memory test Source	Pass	2965
3	HDD test Source	Pass	1446

Test Environment
Intel Core 2 Duo 1.86GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB

Windows XP SP2

Item	WEIGHTED SUITE	Result	Remark
1	CPU test Source	Pass	7338
2	Memory test Source	Pass	15905
3	HDD test Source	Pass	1430

Test Environment
Intel Pentium 4 3.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB

Windows XP SP2

Item	WEIGHTED SUITE	Result	Remark
1	CPU test Source	Pass	6374
2	Memory test Source	Pass	11331
3	HDD test Source	Pass	1426

5.7 PC MARK2004

Test Environment
Intel Core 2 Quad 2.4GHZ Kingston DDRII 667 1GB (E5108AE-6E-E) Western Digital WD800JD-75MSA3 80GB

Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	System test Source	Pass	N/A
2	CPU test Source	Pass	N/A
3	Memory test Source	Pass	8078
4	Graphic test Source	Pass	7547
5	HDD test Source	Pass	4202

Test Environment
Intel Core 2 Quad 2.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB

Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	System test Source	Pass	N/A
2	CPU test Source	Pass	N/A
3	Memory test Source	Pass	8513
4	Graphic test Source	Pass	1946
5	HDD test Source	Pass	4232

Test Environment

Intel Core 2 Duo 1.86GHZ

Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)

Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)

Western Digital WD800JD-75MSA3 80GB

Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	System test Source	Pass	6000
2	CPU test Source	Pass	6365
3	Memory test Source	Pass	5822
4	Graphic test Source	Pass	1822
5	HDD test Source	Pass	4222

Test Environment

Intel Pentium 4 3.4GHZ

Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)

Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)

Western Digital WD800JD-75MSA3 80GB

Windows XP

Item	WEIGHTED SUITE	Result	Remark
1	System test Source	Pass	3809
2	CPU test Source	Pass	4107
3	Memory test Source	Pass	5086
4	Graphic test Source	Pass	1651
5	HDD test Source	Pass	4264

5.8 PC MARK2005

Test Environment
Intel Core 2 Quad 2.4GHZ Kingston DDRII 667 1GB (E5108AE-6E-E) Western Digital WD800JD-75MSA3 80GB

Windows XP SP2

Item	WEIGHTED SUITE	Result	Remark
1	System test Source	Pass	4723
2	CPU test Source	Pass	7727
3	Memory test Source	Pass	4972
4	Graphic test Source	Pass	1611
5	HDD test Source	Pass	4721

Test Environment
Intel Core 2 Quad 2.4GHZ Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Transcend DDRII 667 2GB (K4T1G084QA-ZCE6) Western Digital WD800JD-75MSA3 80GB

Windows XP SP2

Item	WEIGHTED SUITE	Result	Remark
1	System test Source	Pass	5009
2	CPU test Source	Pass	7735
3	Memory test Source	Pass	5141
4	Graphic test Source	Pass	1906
5	HDD test Source	Pass	4677

Test Environment

Intel Core 2 Duo 1.86GHZ

Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)

Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)

Western Digital WD800JD-75MSA3 80GB

Windows XP SP2

Item	WEIGHTED SUITE	Result	Remark
1	System test Source	Pass	3762
2	CPU test Source	Pass	4801
3	Memory test Source	Pass	4327
4	Graphic test Source	Pass	1677
5	HDD test Source	Pass	4701

Test Environment

Intel Pentium 4 3.4GHZ

Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)

Transcend DDRII 667 2GB (K4T1G084QA-ZCE6)

Western Digital WD800JD-75MSA3 80GB

Windows XP SP2

Item	WEIGHTED SUITE	Result	Remark
1	System test Source	Pass	2604
2	CPU test Source	Pass	3547
3	Memory test Source	Pass	3881
4	Graphic test Source	Pass	1388
5	HDD test Source	Pass	4818

