



AT7-MAX2 Test Report

Feature table overview

# DIMM slot	4
# AGP slot	1
# PCI slot	5
# USB 2.0 Port	10
# IR Port	1
# Cooler Connector	4
# IDE Channel	4
# FDD Channel	1
# PS2 Port	2
# On board Audio	V
# On board LAN	V
Supports	
Memory supported Maximum	2GB
IDE Channel Maximum Transfer-rate	ATA133
Audio Channel Maximum supported	5.1
Support SoftMenu II / III	SoftMenu III
CPU FSB Clock Maximum	250MHZ
Multiplier Factor Maximum	13.5
Vcore Voltage Maximum	2.325
DIMM VCC Voltage	3.25
Others	
Support Wake Up LAN	V
Support Wake On Ring	V
Support Battery for Real Time Clock	V
Hardware Monitor	V

Sample revision history of the lab

Date Entered	Hardware Rev.	Software Rev.	Stage	Quantity
2002/7/27	0.3	AT72_AD.BIN	DVT	Normal



AT7-MAX2 Test Report

Compatibility

CPU test

Configuration:

BIOS AT72_AD.B03
OS Win2K SP2
Memory Kingston 128MB*4
FDD Samsung 1.44MB
HDD Seagate ST340016A 40G
CD-ROM BENQ 652A-327 52X
Mouse COMPAQ M-S69
Keyboard COMPAQ 6511-VA
Power Supply HIPRO ATX-300W

Purpose: (H.M= Hardware Monitor)(CPU change: High to Low)

CPU ID (ES/Tray/Box)	Clock	L2 Cache	Real clock	Measure Vcore /H.M		Vcore Range	Install Win2K	MP4? MP2	PCMark 2002
Duron 600	100*6	64K	100.4*6	1.524	1.50	0.024	V	N/A	V
Duron 650	100*6.5	64K	100.41*6.5	1.52	1.52	0	V	N/A	V
Duron 700	100*7	64K	100.4*7	1.5	1.528	-0.028	V	N/A	V
Duron 750	100*7.5	64K	100.41*7.5	1.624	1.61	0.014	V	N/A	V
Duron 800	100*8	64K	100.41*8	1.61	1.623	-0.013	V	N/A	V
Duron 900	100*9	64K	100.4*9	1.61	1.638	-0.028	V	N/A	V
Duron 950	100*9.5	64K	100.4*9.5	1.782	1.76	0.022	V	V	N/A
Duron 1G	100*10	64K	100.41*10	1.78	1.77	0.01	V	V	N/A
Duron 1.1G	100*11	64K	100.41*11	1.778	1.77	0.018	V	V	N/A
Duron 1.2G	100*12	64K	100.41*12	1.778	1.76	0.018	V	V	N/A
Duron 1.3G	100*13	64K	100.41*13	1.782	1.79	-0.012	V	V	N/A
Athlon 750	100*7.5	256K	100.40*7.5	1.71	1.69	0.02	V	N/A	V
Athlon 800	100*8	256K	100.41*8	1.726	1.72	0.006	V	N/A	V
Athlon 850	100*8.5	256K	100.4*8.5	1.784	1.74	0.04	V	N/A	V
Athlon 950	100*9.5	256K	100.41*9.5	1.79	1.792	-0.002	V	N/A	V
Athlon 1G	133*7.5	256K	133.39*7.5	1.781	1.76	0.021	V	V	N/A
Athlon 1.1G	100*11	256K	100.4*11	1.786	1.76	0.026	V	V	N/A
Athlon 1.2G	100*12	256K	100.41*12	1.783	1.77	0.013	V	V	N/A
Athlon 1.33G	133*10	256K	133.39*10	1.784	1.77	0.014	V	V	N/A
Athlon XP 1500+	133*10	256K	133.39*10	1.76	1.74	0.02	V	V	N/A
Athlon XP 1600+	133*10.5	256K	133.39*10.5	1.613	1.61	0.003	V	V	N/A
Athlon XP 1700+	133*11	256K	133.39*11	1.766	1.77	-0.01	V	V	N/A
Athlon XP 1800+	133*11.5	256K	133.39*11.5	1.768	1.74	0.028	V	V	N/A
Athlon XP 1900+	1333*12	256K	133.39*12	1.509	1.50	0.009	V	V	N/A
Athlon XP 2000+	133*12.5	256K	133.39*12.5	1.758	1.74	0.018	V	V	N/A
Athlon XP 2100+	133*13	256K	133.39*13	1.61	1.58	0.03	V	V	N/A
Athlon MP 1600+	133*10.5	256K	133.39*10.5	1.768	1.74	0.028	V	V	N/A
Athlon MP 1800+	133*11.5	256K	133.39*11.5	1.764	1.76	0.004	V	V	N/A
Athlon MP 2000+	133*12.5	256K	133.39*12.5	1.72	1.769	0.049	V	V	N/A
Athlon XP 2200+	133*13.5	256K	133.39*13.5	1.661	1.66	0.001	V	V	N/A
Athlon MP 1500+	133*10	256K	133.39*10	1.764	1.76	0.004	V	V	N/A

N/A: Not tested.

	Result		Result
XP 1600+ (T) >> XP 2200+ (T)	V	XP 1800+ (P) >> Athlon 1G	V
XP 2200+ (T) >> XP 2100+ (T)	V	Duron 1.1G >> Athlon 1.33G	V
XP 2100+ (T) >> XP 2000+ (P)	V	Athlon 1.33G >> MP 1800+	V
XP 200+ (P) >> Duron 1.2G	V	Athlon 1G >> MP 1600+	V
Duron 1.3G >> XP 1700+ (P)	V	MP 1800+ >> MP 1500+	V
Duron 1.2G >> XP 1500+ (P)	V	MP 1600+ >> Duron 950	V
XP 1700+ (P) >> XP 1800+ (P)	V	MP 1500+ >> XP 1900+ (T)	V
XP 1500+ (P) >> Duron 1.1G	V	Duron 950 >> MP 2000+	V
XP 1900+ (T) >> Athlon 1.2G	V	Duron 1G >> Athlon 950	V
XP 2000+ >> Athlon 1.1G	V	Duron 900 >> Athlon 850	V
Athlon 1G >> Duron 1G	V	Athlon 950 >> Athlon 800	V
Athlon 1.1G >> Duron 900	V	Athlon 850 >> Athlon 750	V
Athlon 750 >> Duron 700	V	Duron 800 >> Duron 650	V
Duron 750 >> Duron 800	V	Duron 650 >> Athlon 1G	V
Duron 700 >> Duron 600	V		

Exchange: Clear CMOS when exchanging CPU

Tested by: Boris Wu

Approved by: Justin Chen



AT7-MAX2 Test Report

Memory modules test

Configuration:

BIOS	AT72_AD.BIN
OS	Win2K + SP2
CPU 1	Athlon XP 2200+
CPU 2	Duron 1200
AGP	ABIT GF4 TI4200
HDD	WD WD600
CD-ROM	AOPEN CD-952E
Mouse	Logitech M-S34
Keyboard	LEMEL 5121W
Power Supply	HIPRO HP302GF3

PC-3200 DDR400	Athlon XP 2200+				Duron 1200			
	1	2	3	4	1	2	3	4
Capacity: 512MB								
A-DATA / Winbond / W942508BH-5 / SPD	V	V			V	V		
Capacity: 256MB								
A-DATA / Winbond / W942508BH-5 / SPD	V	V			V	V		
Enhanced / SPD	V	V			V	V		
KINGMAX / KDL684T4AA-50 / SPD	V	V			V	V		
X-Treme / Sam / B3 / SPD	V	V			V	V		
Apacer / Samsung / K4H560838D-TCC4 / SPD	V	V			V	V		
Overclock / SPD	V	V			V	V		

PC-2700 DDR333	Athlon XP 2200+				Duron 1200			
	1	2	3	4	1	2	3	4
Capacity: 512MB								
APACER / Winbond / W942508AH-6 / SPD	V	V			V	V		
APACER / SAMSUNG / K4H560828C-TCB3 / SPD	V	V			V	V		
Kingston / Winbond / W942508BH-6 / SPD	V	V			V	V		
Capacity: 256MB								
APACER / Winbond / W942508AH-6 / SPD	V	V			V	V		
APACER / Samsung / K4H560838C-TCB3 / SPD	V	V			V	V		
TWINMOS / hynix / HY5DU28822AT-K / SPD	V	V			V	V		
Transcend / Samsung / K4H560838C-TCB3 / SPD	V	V			V	V		
KINGMAX / KDL684T4A2A-05 / SPD	V	V			V	V		
NANYA / NT5DS16M8AT-6 / SPD	V	V			V	V		
Capacity: 128MB								
KINGMAX / KDL684T4A2A-05 / SPD	V				V			
MICRON / MT46V16M8-6 / SPD	V	V			V	V		

PC-2400 DDR300	Athlon XP 2200+				Duron 1200			
	1	2	3	4	1	2	3	4
Capacity: 256MB								
KINGMAX / KDL684T4A2A-07A / SPD	V	V			V	V		

PC-2100 DDR266	Athlon XP 2200+				Duron 1200			
	1	2	3	4	1	2	3	4
Capacity: 512MB								
NANYA / NT5DS32M8AT-7K / SPD	V	V	V		V	V	V	
APACER / SAMSUNG / K4H560838B-TCB0 / SPD	V	V	V		V	V	V	
APACER / SAMSUNG / K4H560838C-TCB0 / SPD	V	V	V		V	V	V	
APACER / Infineon / HYB25D256800AT-7 / SPD	V	V	V		V	V	V	
APACER / Infineon / HYB25D256800AT-7 / SPD ®	V	V	V	V	V	V	V	V
Corsair / NANYA / NT5DS32M8AT-7K / SPD	V	V	V		V	V	V	
Crucial / Micron / MT46V32M8-75A / ECC / SPD	V	V	V		V	V	V	
TWINMOS / Winbond / W942508h-75 / SPD	V	V	V		V	V	V	
Capacity: 256MB								
TWINMOS / HY / HY5DU28822 / SPD	V	V			V	V		
High Connection/NANYA/NT5DS16M8AT-7K/SPD	V	V			V	V		
APACER / SAMSUNG / K4H280838B-TCB0 / SPD	V	V			V	V		
KINGMAX / SAMSUNG / K4H280838B-TCB0 / SPD	V	V	V		V	V	V	
KINGMAX / KINGMAX / KDL684T4A2A-07A / SPD	V	V	V		V	V	V	
KINGSTON / HY / HY5DU28822T-H / SPD ®	V	V	V	V	V	V	V	V
KINGSTON / NANYA / NT5DS16M8AT-7K / SPD	V	V	V		V	V	V	
Transcend / MOSEL / V58C2128804SAT75 / SPD	V	V	V		V	V	V	
Crucial / MICRON / MT46V16M8-75A / SPD ®	V	V			V	V		
Crucial / MICRON/MT46V16M8-75A / SPD / ECC	V	V	V		V	V	V	
NANYA / NT5DS32M8AT-7K / SPD	V	V	V		V	V	V	
LEMEL / ELIXIR / N2DS12880AT-75B / SPD	V	V	V		V	V	V	
Capacity: 128MB								
APACER / SAMSUNG / K4H280838B-TCB0 / SPD	V	V	V		V	V	V	
TWINMOS / HY / HY5DU281622 / SPD	V	V	V		V	V	V	
High Connection/NANYA/NT5DS16M8AT-7K/SPD	V	V			V	V		
VIA / NANYA / NT5DS16M8AT-7K / SPD	V	V	V		V	V	V	
KINGSTON/SAMSUNG/K4H280838B-TCB0/SPD	V	V	V		V	V	V	
KINGSTON / NANYA / NT5DS16M8AT-7K / SPD	V	V	V		V	V	V	
NANYA / NT5DS16M8AT-75B / SPD	V	V	V		V	V	V	
MT / MT46V16MB-75A / SPD	V	V	V		V	V	V	
Capacity: 64MB								
Transcend / SAMSUNG / K4H281638B-TCB0 / SPD	V	V	V		V	V	V	

PC-1600 DDR200	Athlon XP 2200+				Duron 1200			
	1	2	3	4	1	2	3	4
Capacity: 512MB								
APACER / IBM / N625804GT3B-8N / SPD	V	V			V	V		
Capacity: 256MB								
Crucial / MICRON / MT46V16M8-8A / SPD ®					V	V	V	
Infineon / HYB25D256800T-8 / SPD®	V	V	V	V	V	V	V	V
MICRON / MT46V16M8-8A / SPD	V	V	V		V	V	V	
Capacity: 128MB								
MICRON / MT46V16M8-8A / SPD	V	V	V		V	V	V	

Note: ®: means "Registered DIMM"

Tested by: Danny Hsu

Approved by: Justin Chen

IDE test

HDD/CD-ROM /DVD-ROM test

Configuration:

BIOS	AT72_AD.B03
OS	Win2K SP2
Memory	Kingston 128MB*4
CPU	Athlon XP 2200+
AGP	MSI GF2 MX200
FDD	Samsung 1.44MB



AT7-MAX2 Test Report

Mouse Logitech M-S69
Keyboard COMPAQ 6511-VA
Power Supply BESTEC ATX-1957D2

HDD Compatibility on P0/P1 (S0/S1: CD-ROM), Copy 500M files

Primary/Secondary (Master & Slave) channels boot (with operation system setup) at least once.

ID P0	ID P1	ID S0	ID S1	Mode		Auto detect	
				P0	P1	P0	P1
				S0	S1		
IBM IC35L040AVE R07-0	Maxtor D740X-6L	ACER 652A	AFREEY CD-2050E	ATA100	AT133	V	V
				ATA33	ATA33		
Fujitsu MPF3204AH	Seagate ST320011A	ACER 652A	AFREEY CD-2050E	ATA66	ATA100	V	V
				ATA33	ATA33		
Maxtor 4G160J8	Maxtor 4W100H6	ACTIMA A52T	Lite-on LTN-526S	AT133	ATA100	V	V
				ATA33	ATA33		
Seagate ST320011A	IBM IC35L040AVE R07-0	ACTIMA A52T	Lite-on LTN-526S	ATA100	ATA100	V	V
				ATA33	ATA33		
Maxtor 4W100H6	Fujitsu MPF3204AH	TEAC CD-540E	BTC BCD-F563E	ATA100	ATA66	V	V
				ATA33	ATA33		
WD WD400BB	Seagate ST340810A	TEAC CD-540E	BTC BCD-F563E	ATA100	AT100	V	V
				ATA33	ATA33		
Seagate ST340824A	Maxtor 2B020H1	AFREEY CD-2052E	ACER 652A	ATA100	ATA100	V	V
				ATA33	ATA33		
Maxtor 4D040H2	Seagate ST320011A	AFREEY CD-2052E	ACER 652A	ATA100	ATA100	V	V
				ATA33	ATA33		
Seagate ST320011A	Maxtor 4G160J8	Pioneer DVD-106S	TEAC CD-540E	ATA100	ATA133	V	V
				ATA66	ATA33		
Maxtor D740X-6L	WD WD400BB	Pioneer DVD-106S	TEAC CD-540E	ATA133	ATA100	V	V
				ATA66	ATA33		

HDD Compatibility on S0/S1 (P0/P1: CD-ROM), Copy 500M files

ID P0	ID P1	ID S0	ID S1	Mode		Auto detect	
				P0	P1	S0	S1
				S0	S1		
BTC BCD-F563E	ACER 652A	IBM IC35L040AVE R07-0	Fujitsu MPF3204AH	ATA33	ATA33	V	V
				ATA100	ATA66		
BTC BCD-F563E	ACER 652A	Seagate ST320011A	Maxtor 4G160J8	ATA33	ATA33	V	V
				ATA100	AT133		

TEAC CD-540E	ACTIMA A52T	Maxtor D740X-6L	Maxtor 4W1006	ATA33	ATA33	V	V
				AT133	ATA100		
TEAC CD-540E	ACTIMA A52T	Seagate ST340810A	Maxtor 2B020H1	ATA33	ATA33	V	V
				ATA100	ATA100		
AFREEY CD-2052E	Lite-on LTN-526S	Seagate ST340824A	Seagate ST320011A	ATA33	ATA33	V	V
				ATA100	ATA100		
AFREEY CD-2052E	Lite-on LTN-526S	WD WD400BB	IBM IC35L040AVE R07-0	ATA33	ATA33	V	V
				ATA100	ATA100		
AOPEN CD-952E	Pioneer DVD-106S	Fujitsu MPF3204AH	Maxtor 4D040H2	ATA33	ATA66	V	V
				ATA66	ATA100		
AOPEN CD-952E	Pioneer DVD-106S	Seagate ST310211A	Maxtor D740X-6L	ATA33	ATA66	V	V
				ATA100	ATA133		
Lite-on LTN-526S	Creative DVD-1240E	Maxtor 4G160J8	WD WD400BB	ATA33	ATA33	V	V
				ATA133	ATA100		
Lite-on LTN-526S	Creative DVD-1240E	IBM IC35L040AVE R07-0	Seagate ST340824A	ATA33	ATA33	V	V
				ATA100	ATA100		

CD-ROM/DVD-ROM Compatibility ON P1/S1 (P0/S0:HDD)

ID P0	ID P1	ID S0	ID S1	Auto Detect		Playing VCD		Result
				P1	S1	P1	S1	
Seagate ST310211A	TEAC CD-540E	IBM IC35L040AVE R07-0	Lite-on LTN-526S	V	V	V	V	V
IBM IC35L040AVE R07-0	AFREEY CD-2052E	Seagate ST310211A	ACTIMA A52T	V	V	V	V	V
Fujitsu MPF3204AH	BTC BCD-F563E	Maxtor D740X-6L	ACER 652A	V	V	V	V	V
Maxtor D740X-6L	Lite-on LTN-526S	Fujitsu MPF3204AH	AFREEY CD-2052E	V	V	V	V	V
Seagate ST340810A	ACTIMA A52T	Maxtor 4W100H6	Creative DVD-1240E	V	V	V	V	V
Maxtor 4W100H6	Pioneer DVD-106S	Seagate ST340810A	AOPEN CD-952E	V	V	V	V	V
Seagate ST340824A	Creative DVD-1240E	WD WD400BB	BTC BCD-F563E	V	V	V	V	V
WD WD400BB	ACER 652A	Seagate ST340824A	TEAC CD-540E	V	V	V	V	V
Maxtor 4G160J8	AOPEN CD-952E	Fujitsu MPF3204AH	AFREEY CD-2052E	V	V	V	V	V

CD-ROM/DVD-ROM Compatibility ON P0/S0 (P1/S1: HDD)

ID P0	ID P1	ID S0	ID S1	Auto Detect		Playing VCD		Result
				P0	S0	P0	S0	



AT7-MAX2 Test Report

Pioneer DVD-106S	IBM IC35L040AVE R07-0	ACER 652A	Seagate ST340810A	V	V	V	V	V
TEAC CD-540E	Seagate ST340810A	Creative DVD-1240E	IBM IC35L040AVE R07-0	V	V	V	V	V
Lite-on LTN-526S	Fujitsu MPF3204AH	Pioneer DVD-106S	WD WD400BB	V	V	V	V	V
Creative DVD-1240E	WD WD400BB	AFREY CD-2052E	Fujitsu MPF3204AH	V	V	V	V	V
ACTIMA A52T	Maxtor 4G160J8	BTC BCD-F563E	Seagate ST310211A	V	V	V	V	V
AOPEN CD-952E	Seagate ST310211A	ACER 652A	Maxtor 4G160J8	V	V	V	V	V
Creative DVD-1240E	IBM IC35L040AVE R07-0	AOPEN CD-952E	Maxtor 4D040H2	V	V	V	V	V
ACER 652A	Maxtor 4D040H2	Lite-on LTN-526S	IBM IC35L040AVE R07-0	V	V	V	V	V

CD-RW/CD-ROM (DVD-ROM) compatibility

ID P0	ID P1	ID S0	ID S1	CD-R Rate	Result	Burn in time	CD-RW Rate	Result	Burn in time
IBM IC35L040A VER07-0	Plextor PX-W2410T A	Creative DVD-1240E	TEAC CD-540E	24X	V	03:38 (369MB)	10X	V	05:08
Maxtor 4G160J8	ACER 652A		Pioneer DVD-106S	24X	V	04:37 (526MB)	10X	V	06:46
WD WD400BB	Maxtor D740X-6L	AOPEN CD-952E	RICOH MP9120A	12X	V	07:22 (662MB)	10X	V	08:24
Fujitsu MPF3204AH	Lite-on LTN-526S	Pioneer DVD-106S	AOPEN CRW3248	32X	V	02:38 (309MB)	10X	V	04:34
Seagate ST340810A	Creative DVD1240E	Lite-on LTR-32123 S	Actima A52T	32X	V	04:30 (681MB)	10X	V	08:58

HDD/ATAPI devices mixed on P0/P1 , S0/S1

Drive List

HDD 1	IBM IC35L040AVER07-0 ATA100 40GB
HDD 2	Fujitsu MPF3204AH ATA66 20GB
HDD 3	Maxtor D740X-6L ATA133 60GB
HDD 4	WD WD400BB ATA100 40GB
HDD 5	Seagate ST320011A ATA100 20GB
DVD-ROM 1	Creative DVD-1240E
DVD-ROM 2	Pioneer DVD-106S
CD-ROM 1	BTC BCD F563E
CD-ROM 2	TEAC CD-540E
ZIP Driver	lomega Z100ATAPI



LS-120 Driver LS120 LKM-F934-1

AT7-MAX2 Test Report

Item	IDE Channels				Copy file / Playing film	Result
	P/M	P/S	S/M	S/S		
1	HDD 1	Not Connected	CD-ROM	Not Connected	CD-ROM film playing	V
2	DVD 1	HDD 1	Not Connected	Not Connected	Install RTCW	V
3	HDD 1	CD-ROM 1	Not Connected	Not Connected	Copy 311MB Files	V
4	Not Connected	HDD 1	DVD 1	Not Connected	DVD film playing	V
5	HDD 2	CD-ROM 1	DVD 1	Not Connected	DVD film playing	V
6	DVD 1	CD-ROM 1	HDD 2	Not Connected	DVD film playing	V
7	HDD 2	CD-ROM 2	DVD 1	Not Connected	Copy 311MB Files	V
8	CD-ROM 2	HDD 4	DVD 1	Not Connected	Copy 311MB Files	V
9	HDD 3	HDD 4	CD-ROM 2	Not Connected	CD-ROM film playing	V
10	HDD 3	HDD 4	HDD 5	CD-ROM 2	Copy 311MB Files	V
11	HDD 3	HDD 4	HDD 5	HDD 2	Copy 311MB Files	V
12	HDD 3	CD-ROM 2	ZIP	Not Connected	VCD film playing	V
13	HDD 3	CD-ROM 2	LS-120	Not Connected	VCD film playing	V
14	HDD 3	DVD 2	ZIP	Not Connected	DVD film playing	V
15	HDD 3	DVD 2	LS-120	Not Connected	DVD film playing	V
16	HDD 3	DVD 2	LS-120	ZIP	Copy 82.4MB Files	V
17	HDD 3	DVD 2	ZIP	LS-120	Copy 82.4MB Files	V

Ghost utilities tool

Purpose: Ghost from Source Hard Disk Drive to Target

Hard Disk Drive List

HDD 1 IBM IC35L040AVER07-0 ATA100 40GB
HDD 2 Fujitsu MP3204AH ATA66 20GB
HDD 3 Maxtor D740X-6L ATA133 60GB
HDD 4 Maxtor 4G160J8 ATA133 160HN
HDD 5 Seagate ST320011A ATA100 20GB

Source								Target								Result (MB/Min)
IDE1 /M	IDE1 /S	IDE2 /M	IDE2 /S	IDE3 /M	IDE3 /S	IDE4 /M	IDE4 /S	IDE1 /M	IDE1 /S	IDE2 /M	IDE2 /S	IDE3 /M	IDE3 /S	IDE4 /M	IDE4 /S	
1										2						1194
2									5							1291
				5					3							1265
						3						1				1197
							1							5		1265
		3											4			1257

Tested by: Vincent Huang

Approved by: Justin Chen

USB test

USB Device Interoperability Testing

Set up the USB HUB interoperability suite as Pic. 1 below:

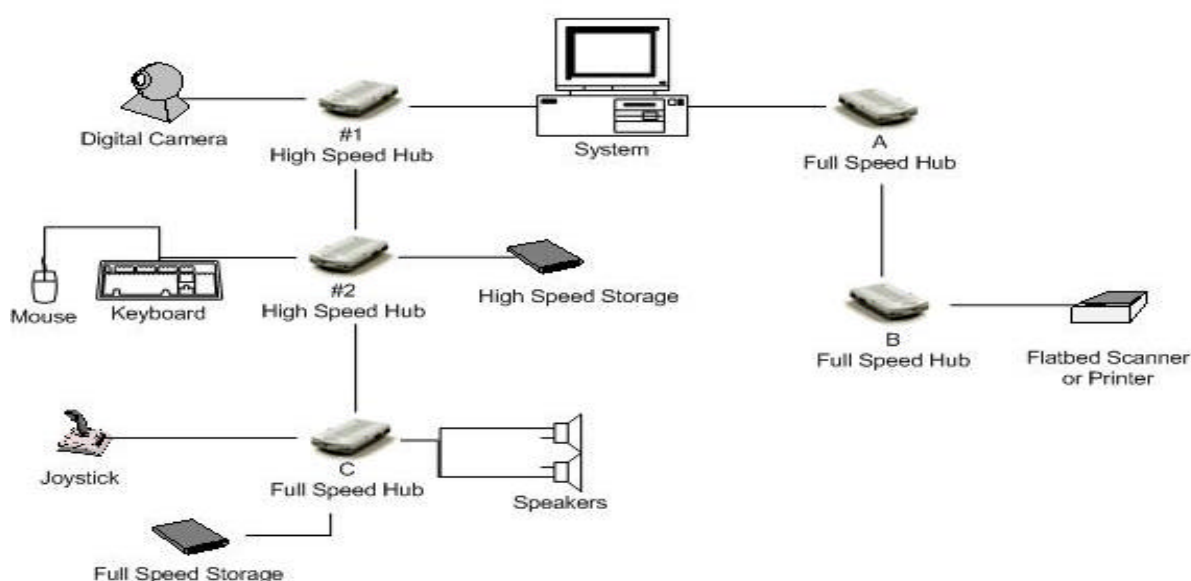
Devices detach and reattach, then validate all devices operate correctly.

Suspend system then resume the system through non – USB means, and validate all devices Operate correctly.

Devices used:

Device	Manufacturer	Model name
Full Speed HUB A	LEMEL	LM-USB4

Full Speed HUB B	D-Link	DU-H4
Full Speed HUB C	Accton	USB-204B
High Speed HUB #1	Adaptec	XHUB4
High Speed HUB #2	Double-H	DH-2UH4M
Full Speed Storage	Iomega	Zip100MB
High Speed Storage	BusLink	Hard Drive 20GB
Scanner	HP	ScanJet 4400C
Mouse	Logitech	iFeel Mouse M-UN58a
Keyboard	Zippy	WK-610
Digital Camera	Creative	WebCam Plus
Speaker	SungForn	Turando DS-301B+
Joystick	Logitech	WingMan Extreme Digital 3D

Pic. 1

Result:

OS	WinXP-Pro	WinME
Result	OK	OK

Purpose: USB HUBs

1. The machine needs to be installed the device driver, if the system has got it.
2. The machine fill with the devices of the HUB channels, and to ensure all the devices function work normal.
3. Configured for all USB devices: (Vendor / Model)

USB1.1 HUBs:

Port 1	Port 2	Port 3	Port 4
--------	--------	--------	--------

Iomega Zip100MB	CyQ' ve RW8080A CD-RW	Creative WebCam Plus	HP ScanJet 4400C Scanner
-----------------	--------------------------	-------------------------	-----------------------------

Vendor	Model Name	USB Port									
		1	2	3	4	5	6	7	8	9	10
Accton	USB-204B	V	V	V	V	V	V	V	V	V	V
D-Link	DU-H4	V	V	V	V	V	V	V	V	V	V
LEMEL	LM-USB4	V	V	V	V	V	V	V	V	V	V

USB2.0 HUBs:

Port 1	Port 2	Port 3	Port 4
Double-H Ethernet USB2.0	TEAC CD-W28PU CDRW USB2.0	BusLink Hard Drive 40GB USB2.0	Creative WebCam Plus USB1.1

Vendor	Model Name	USB Port									
		1	2	3	4	5	6	7	8	9	10
Adaptec	XHUB4	V	V	V	V	V	V	V	V	V	V
BUSlink	XII-H4	V	V	V	V	V	V	V	V	V	V
Double-H	DH-2UH4M	V	V	V	V	V	V	V	V	V	V
Welland	UH-224A	V	V	V	V	V	V	V	V	V	V



AT7-MAX2 Test Report

Purpose: Storage devices

1. The machine needs to be installed the device driver, if the system has got it.
2. Connected each device of all USB ports at the same time.
3. To read and write data on all devices at the same time.

Swap device on each USB port and to test devices again in the next time.

Status:

No.	Manufacturer Model	Pass(All)	Fail Status
1	CyQ' ve RW8080A CDRW	V	
2	TEAC CD-W28PU CDRW USB2.0	V	
3	Iomega 100MB USB ZIP	V	
4	BusLink Pocket Size Hard Drive 20GB USB2.0	V	
5	IOGear Impulse CDRW USB2.0	V	

Connect Device (No.)										Result
USB 1	USB 2	USB 3	USB 4	USB 5	USB 6	USB 7	USB 8	USB 9	USB 10	
V	V	V	V	V	V	V	V	V	V	V
V	V	V	V	V	V	V	V	V	V	V
V	V	V	V	V	V	V	V	V	V	V
V	V	V	V	V	V	V	V	V	V	V
V	V	V	V	V	V	V	V	V	V	V

Purpose: Other Devices

1. The machine needs to be installed the device driver, if the system has got it.
2. To ensure all the devices function work normal on each USB port.

Type	Vendor	Model Name	USB Port									
			1	2	3	4	5	6	7	8	9	10
Mouse	Logitech	iFeel Mouse M-UN58a	V	V	V	V	V	V	V	V	V	V
Keyboard	Zippy	WK-610	V	V	V	V	V	V	V	V	V	V
Speaker	SungForn	Turando DS-301B+	V	V	V	V	V	V	V	V	V	V
Scanner	HP	ScanJet 4400C	V	V	V	V	V	V	V	V	V	V
Camera	Creative	WebCam Plus	V	V	V	V	V	V	V	V	V	V
Joystick	Logitech	WingMan Extreme Digital 3D	V	V	V	V	V	V	V	V	V	V
	Microsoft	SideWinder Force Feedback 2	V	V	V	V	V	V	V	V	V	V
USB Ethernet	Accton	USB-320EC	V	V	V	V	V	V	V	V	V	V
	D-Link	DU-E100	V	V	V	V	V	V	V	V	V	V
	ASIX	AX88172	V	V	V	V	V	V	V	V	V	V
Digital Music Player	Creative	Nomad IIc	V	V	V	V	V	V	V	V	V	V

Fail : Under WinXP/ME, USB malfunction after resume from S3.

Tested by: Vincent Huang

Approved by: Justin Chen



AT7-MAX2 Test Report

Sound card test

Configuration:

BIOS AT72716X.BIN
OS WinXP / ME
Memory Kingston 128MB*4
CPU Athlon 1.2G
FDD Samsung 1.44MB
HDD Maxtor 4D040H2
CD-ROM ACER 652A-074
Mouse Logitech M-CAA43
Keyboard COMPAQ 6511-VA
Power Supply TGR FV-250N20

Purpose

Test Items		WinME (Quality)	WinXP (Quality)
1	Wave	V	V
2	CD Audio (Cable)	V	V
3	VCD (AVI) Playback	V	V
4	DVD Playback	V	V
5	Midi	V	V
6	Microphone	V	V
7	Line in	V	V
8	Line Out	V	V
9	Line-in Record	V	V
10	CD-In (Audio-In) Record	V	V
11	Microphone Record	V	V
12	S/PDIF OUT	V	V
13	Joystick	V	V

Status:

Manufacturer Model	Pass(All)	Fail Status	Remark
Genune / Yamaha 754	V		PCI
ABIT / AU10	V		PCI
Creative / SB Live 4	V		PCI
Creative / SB Live 5.1	V		PCI
PHILIPS / PSC706	V		PCI
Creative / Blaster AUDIGY	V		PCI

Tested by: Jason Huang

Approved by: Justin Chen



AT7-MAX2 Test Report

2.6 (Fax) / modem (card) test

Configuration:

BIOS AT72716S.BIN
OS Win2K / ME
CPU Athlon XP 1900+
FDD Samsung 1.44MB
HDD Maxtor 4D040H2
CD-ROM BTC BCD F563E
Mouse Logitech M-CAA43
Keyboard COMPAQ 6511-VA
Power Supply TGR FV250N20

The following were tested under Win2K / ME, connecting to the Internet and downloading files 3~5M (2.72M).

Vender/Model	Internal	(Real) Baud Rate (V.90)		Result
		Win2K	WinXP	
LT Win Modem	V	2.45KB/S	2.71KB/S	V
Smart Link 56K Voice Modem	V	2.78KB/S	2.73KB/S	V
Motorola SM56 PCI Fax Modem	V	2.69KB/S	2.44KB/S	V
FM-56 PCI - SL	V	2.77KB/SS	2.99KB/S	V
ESS SuperLink – M Data fax Modem	V	2.73KB/S	2.43KB/S	V
HCF 56K PCI Modem	V	2.79KB/S	2.74KB/S	V

Tested by: Jason Huang

Approved by: Justin Chen

LAN card test**Configuration:**

BIOS AT72_AD.BIN
OS Win98SE / Win2K
CPU Athlon XP 1900+
FDD Samsung 1.44MB
HDD Maxtor 4D040H2
CD-ROM BTC BCD-F563E
Mouse Logitech M-CAA43
Keyboard COMPAQ 6511-VA
Power Supply TGR FV-250N20

The following network cards were tested under the(N)OS Connecting to server and copying directories and files Big than 5M.

Intel 82559 / Realtek 8139c*2 pcs for testing at the same time.

Purpose:

Vender/Model	Bus/Type	Win98SE	Win2K	WOL (PME)
INTEL 82559 *2 pcs	PCI (ALL)	V	V	V
INTEL 82550	PCI	V	V	V
3COM 3C905C-TXM	PCI (ALL)	V	V	V
D-Link DFE-530TX	PCI	V	V	Not supported
D-Link DFE-538TX	PCI	V	V	Not supported
D-Link DFE-540TX	PCI (ALL)	V	V	Not supported
LEMEL 8139B(Realtek 8139B)	PCI	V	V	Not supported
Realtek 8139C*2pcs	PCI (ALL)	V	V	V
Realtek 8139D	PCI	V	V	V
Accton EN5038B	PCI (ALL)	N/A	V	V
Accton EN5251B	PCI	V	N/A	V

Tested by: Jason Huang

Approved by: Justin Chen



AT7-MAX2 Test Report

SCSI card test

Configuration:

CPU Athlon XP 1900+
 BIOS AT72_AD.B03
 VGA NVIDIA GF2 200

SCSI Card:

SCSI Host	SCSI HDD	SCSI CD-ROM	Setup WinME	Copy files from IDE to SCSI devices (2500M)	Setup Win2K	Copy files from IDE to SCSI devices (2500M)
Adaptec AHA-2940UW	Quantum Atlas 10KIII	TEAC CD-532S	V	V	V	V
Adaptec AHA-2940UW pro	Seagate ST39205LW	AFREEY CD-2050S	V	V	V	V
Adaptec AHA-2940U2 W (LVD)	Seagate ST39205LW	AFREEY CD-2050S	V	V	V	V
Adaptec ASC-19160 (LVC)	Seagate ST39205LW	AFREEY CD-2050S	V	V	V	V
Adaptec ASC-29160 (LVD)	Seagate ST39205LW	AFREEY CD-2050S	V	V	V	V
Adaptec ASC-39160 (LVD)	Quantum Atlas 10KIII	Pioneer DVD-305S	V	V	V	V
Adaptec 39320	Seagate ST318432LW Ultra320	BTC F563E	V	V	V	V
Tekram DC-390U/F	Quantum Atlas 10KIII	TEAC CD-532S	V	V	V	V
Tekram DC-390U2W (LVD)	Quantum Atlas 10KIII	TEAC CD-532S	V	V	V	V
Tekram DC-390U3W (LVD)	Seagate ST39205LW	AFREEY CD-2050S	V	V	V	V
DOMEX DMX-3194UW	Quantum Atlas 10KIII	TEAC CD-532S	V	V	V	V
DOMEX DMX3194UP	Seagate ST340016A	TEAC CD-532S	V	V	V	V

Tested by: Joleen Chien

Approved by: Justin Chen



AT7-MAX2 Test Report

VGA card test

Configuration1:

CPU Athlon XP 1900+
 OS **WinXP**
 BIOS AT72_AD.B03
 Memory Kingston / NANYA / 128MB*4
 HDD Seagate ST340016A
 DVD-ROM Pioneer DVD-106S
 Monitor HITACHI CMNN2
 Power HIPRO HP-P302GF3 300W

Step 1 testing contents:

1: Plug –in all of the VGA cards to ensure the system can boot normally.

2: Verifying the Bios and Driver version, then try to tune the highest resolution and refresh rate.

Table 1 (AGP adapter)

Vender	Model	Chipset	BIOS Version	Driver Version	Result
ABIT	Siluro MX400 DDR	GF2 MX400	3.11.07.37	6.13.10.2942	V
ABIT	Siluro GF3 Ti200	GF3 Ti200	3.20.00.28.00	6.13.10.2942	V
ABIT	Siluro GF3 Ti500	GF3 Ti500	3.20.00.19.00	6.13.10.2942	V
ABIT	GF4 MX 420 SD	GF4 MX 420	4.17.00.30.00	6.13.10.2942	V
ABIT	GF4 MX 440	GF4 MX 440	4.17.00.24.00	6.13.10.2942	V
ABIT	GF4 MX Pro	GF4 MX 460	4.17.00.52.00	6.13.10.2942	V
ABIT	GF4 Ti 4400	GF4 Ti 4400	4.25.00.34.00	6.13.10.2942	V
ABIT	GF4 Ti 4600	GF4 Ti 4600	4.25.00.19.00	6.13.10.2942	V
ASUS	V8200	GF3	3.20.00.10.00	6.13.10.2942	V
ATI	Radeon 7500	Rage 7500	0.109	6.13.10.6094	V
ATI	Radeon 8500	Rage 8500	7.004	6.13.10.6094	V
ELSA	GLADIAC 516	GF2 GTS Ti	3.15.01.04.EP	6.13.10.2942	V
ELSA	GLADIAC 921	GF3 Ti500	3.20.00.19.04	6.13.10.2942	V
Gainward	G4 Ti4600	GF4 Ti4600	4.25.00.26.00	6.13.10.2942	V
Hercules	3D Prophet III	GF3 Ti500	3.20.00.17.07	6.13.10.2942	V
Leadtek	GF2 GTS Pro	GF2 GTS Pro	3.15.01	6.13.10.2942	V
Leadtek	GF3	GF3	3.20.00.10	6.13.10.2942	V
Leadtek	GF3 Ti200	GF3 Ti200	3.20.00.18	6.13.10.2942	V
Leadtek	A250	GF4 Ti4400	4.25.00.22	6.13.10.2942	V
Leadtek	A250 Ultra	GF4 Ti4600	4.25.00.22	6.13.10.2942	V

Step 2 testing contents:

Resolution: 1024*768 True color

DVD Player:

DVD Playback item: Playback a DVD film for 5 minutes.

3Dmark 2000 item: Pressing the Run Default Benchmark button to test one loop.

3D ExerciZer item: Texture stress must tune to 73.3MB of texture memory and run turbo mode for 5 minutes.

Table 2 (AGP adapter)

Vender	Model	3Dmark 2001 Second Edition	GL Mark2001 V1.1P	N-Bench 2 (D3D)	DVD Playback
ABIT	Siluro MX400DDR	2931	20.0	1674	V
ABIT	Siluro GF3 Ti200	6842	40.0	2073	V
ABIT	Siluro GF3 Ti500	7980	46.7	2095	V
ABIT	GF4 MX 420 SD	3873	21.8	1926	V
ABIT	GF4 MX 440	5616	34.0	2022	V
ABIT	GF4 MX Pro	6060	38.7	2099	V
ABIT	GF4 Ti 4400	9631	56.2	2111	V

ABIT	GF4 Ti 4600	10022	69.3	2117	V
ASUS	V8200	7313	44.3	2100	V
ATI	Radeon 7500	5445	40.1	2003	V
ATI	Radeon 8500	8596	52.9	2027	V
ELSA	GLADIAC 516	4873	34.0	2014	V
ELSA	GLADIAC 921	7987	46.7	2101	V
Gainward	GF4 Ti4600	10006	57.1	2102	V
Hercules	3D Prophet III	7971	49.2	2098	V
Leadtek	GF2 GTS Pro	4669	30.9	1978	V
Leadtek	GF 3	7330	51.4	2103	V
Leadtek	GF3 Ti200	6830	44.7	2061	V
Leadtek	A250	9671	72.3	2110	V
Leadtek	A250 Ultra	10049	73.6	2106	V

Step 3 testing contents:

Vender	Model	Winbench99 V2.0	3D Winbench2K V1.1
ABIT	Siluro GF3 Ti500	600 , 1180	3.29 , 251
ABIT	GF4 Ti 4400	617 , 1180	3.29 , 292
ABIT	GF4 Ti 4600	618 , 1190	3.3 , 310
ASUS	V8200	589 , 1170	3.27 , 224
Leadtek	A250 Ultra	618 , 1150	3.29 , 306

Step 4 testing contents:

VGA setting: 1024*768 True Color

- 1.CodeCreatures Bnechmark Pro test on GF4 Ti/GF3 Ti/ATI Radeon 8500 series only
2. Quake III: Demo Quake III one loop and record the FPS value.

Table 3 (AGP adapter)

3D Game			AquaMark 2.2	Code Creature	Quake III (Quaver)	Drone Mark	RTCW
Adapter Information					OpenGL 1.1/FPS	OpenGL 1.2/FPS	OpenGL 1.2/FPS
Vendor	Model	Transfer Mode					
ABIT	Siluro MX400DDR	4X	3.8		59.0	41.35	33.4
ABIT	Siluro GF3 Ti200	4X	14.9	902	150.8	80.71	82.1
ABIT	Siluro GF3 Ti500	4X	19.0	1097	157.2	81.04	84.3
ABIT	GF4 MX 420 SD	4X	5.1		90.7	45.04	44.4
ABIT	GF4 MX 440	4X	8.2		141.7	73.07	76.7
ABIT	GF4 MX Pro	4X	9.8		151.4	77.73	82.7
ABIT	GF4 Ti 4400	4X	27.1	1945	159.1	81.01	87.9
ABIT	GF4 Ti 4600	4X	30.5	2126	157.5	79.44	88.0
ASUS	V8200	4X	16.8	957	154.7	80.9	84.1

ATI	Radeon 7500	4X	9.4		110.3	84.75	71.2
ATI	Radeon 8500	4X	15.9	1051	147.2	84.85	84.5
ELSA	GLADIAC 516	4X	7.9		116.4	72.18	63.7
ELSA	GLADIAC 921	4X	19.0	1097	157.7	81.02	86.3
Gainward	GF4 Ti4600	4X	30.3	2126	159.1	81.11	87.9
Hercules	3D Prophet III	4X	19.0	1097	157.4	80.96	86.0
Leadtek	GF2 GTS Pro	4X	7.5		113.4	70.74	63.4
Leadtek	GF3	4X	16.8	913	155.0	81.03	84.2
Leadtek	GF3 Ti200	4X	14.9	809	149.8	80.64	81.2
Leadtek	A250	4X	27.6	1945	158.8	81.06	88.8
Leadtek	A250 Ultra	4X	31.	2129	158.3	81.1	88.8

Configuration2:

CPU Athlon XP 1900+
 OS **WinME**
 BIOS AT72_AD.B03
 Memory Kingston / NANYA / 128MB*4
 HDD Seagate ST340016A
 DVD-ROM Pioneer DVD-106S
 Monitor HITACHI CMNN2
 Power HIPRO HP-P302GF3 300W

Step 1 testing contents:

1: Plug –in all of the VGA cards to ensure the system can boot normally.

2: Verifying the Bios and Driver version, then try to tune the highest resolution and refresh rate.

Table 1 (AGP adapter)

Vender	Model	Chipset	BIOS Version	Driver Version	Result
ABIT	Siluro MX400 DDR	GF2 MX400	3.11.07.37	4.13.01.2942	V
ABIT	Siluro GF3 Ti200	GF3 Ti200	3.20.00.28.00	4.13.01.2942	V
ABIT	Siluro GF3 Ti500	GF3 Ti500	3.20.00.19.00	4.13.01.2942	V
ABIT	GF4 MX 420 SD	GF4 MX 420	4.17.00.30.00	4.13.01.2942	V
ABIT	GF4 MX 440	GF4 MX 440	4.17.00.24.00	4.13.01.2942	V
ABIT	GF4 MX Pro	GF4 MX 460	4.17.00.52.00	4.13.01.2942	V
ABIT	GF4 Ti 4400	GF4 Ti 4400	4.25.00.34.00	4.13.01.2942	V
ABIT	GF4 Ti 4600	GF4 Ti 4600	4.25.00.19.00	4.13.01.2942	V
ASUS	V8200	GF3	3.20.00.10.00	4.13.01.2942	V
ATI	Radeon 7500	Rage 7500	0.109	4.13.10.9039	V
ATI	Radeon 8500	Rage 8500	7.004	4.13.10.9039	V
ELSA	GLADIAC 516	GF2 GTS Ti	3.15.01.04.EP	4.13.01.2942	V
ELSA	GLADIAC 921	GF3 Ti500	3.20.00.19.04	4.13.01.2942	V
Gainward	G4 Ti4600	GF4 Ti4600	4.25.00.26.00	4.13.01.2942	V
Hercules	3D Prophet III	GF3 Ti500	3.20.00.17.07	4.13.01.2942	V
Leadtek	GF2 GTS Pro	GF2 GTS Pro	3.15.01	4.13.01.2942	V



AT7-MAX2 Test Report

Leadtek	GF3	GF3	3.20.00.10	4.13.01.2942	V
Leadtek	GF3 Ti200	GF3 Ti200	3.20.00.18	4.13.01.2942	V
Leadtek	A250	GF4 Ti4400	4.25.00.22	4.13.01.2942	V
Leadtek	A250 Ultra	GF4 Ti4600	4.25.00.22	4.13.01.2942	V

Step 2 testing contents:

Resolution: 1024*768 True color

DVD Player:

DVD Playback item: Playback a DVD film for 5 minutes.

3Dmark 2000 item: Pressing the Run Default Benchmark button to test one loop.

3D ExerciZer item: Texture stress must tune to 73.3MB of texture memory and run turbo mode for 5 minutes.

Table 2 (AGP adapter)

Vender	Model	3Dmark 2001 Second Edition	GL Mark2001 V1.1P	N-Bench 2 (D3D)	DVD Playback
ABIT	Siluro MX400DDR	2788	20.0	1513	V
ABIT	Siluro GF3 Ti200	6746	37.0	1955	V
ABIT	Siluro GF3 Ti500	7798	44.7	1970	V
ABIT	GF4 MX 420 SD	3699	21.7	1782	V
ABIT	GF4 MX 440	5546	31.9	1938	V
ABIT	GF4 MX Pro	5939	36.3	1988	V
ABIT	GF4 Ti 4400	9330	48.8	1994	V
ABIT	GF4 Ti 4600	9714	48.8	812	V
ASUS	V8200	7161	40.3	1957	V
ATI	Radeon 7500	5394	39.8	1895	V
ATI	Radeon 8500	8488	47.8	1940	V
ELSA	GLADIAC 516	4756	32.7	1856	V
ELSA	GLADIAC 921	7737	44.8	1996	V
Gainward	GF4 Ti4600	9785	49.7	2002	V
Hercules	3D Prophet III	7741	44.7	2000	V
Leadtek	GF2 GTS Pro	4502	30.5	1854	V
Leadtek	GF 3	6959	38.3	859	V
Leadtek	GF3 Ti200	6436	35.1	1957	V
Leadtek	A250	9279	48.6	2010	V
Leadtek	A250 Ultra	9638	48.3	2002	V

Step 3 testing contents:

Vender	Model	Winbench99 V2.0	3D Winbench2K V1.1
ABIT	Siluro GF3 Ti500	725 , 2250	3.29 , 251
ABIT	GF4 Ti 4400	754 , 2240	3.29 , 292
ABIT	GF4 Ti 4600	767 , 2240	3.3 , 310
ASUS	V8200	708 , 2240	3.27 , 224
Leadtek	A250 Ultra	761 , 2250	3.29 , 306

Step 4 testing contents:

VGA setting: 1024*768 True Color

1. Unreal: Playback Fly Over Map ten loops and record the average value.

2. Quake III: Demo Quake III one loop and record the FPS value.

Table 3 (AGP adapter)



AT7-MAX2 Test Report

3D Game Adapter Information			AquaMark 2.2	Code Creature	Quake III (Quaver)	Drone Mark	RTCW
Vendor	Model	Transfer Mode			OpenGL 1.1/FPS	OpenGL 1.2/FPS	OpenGL 1.2/FPS
ABIT	Siluro MX400DDR	4X	3.9		55.9	48.55	31.8
ABIT	Siluro GF3 Ti200	4X	14.9	895	146.3	84.83	80.0
ABIT	Siluro GF3 Ti500	4X	18.9	1054	148.0	84.79	80.4
ABIT	GF4 MX 420 SD	4X	5.1		85.9	47.73	42.3
ABIT	GF4 MX 440	4X	8.2		135.7	78.41	73.0
ABIT	GF4 MX Pro	4X	9.7		146.5	83.28	77.4
ABIT	GF4 Ti 4400	4X	27.0	1920	153.3	84.83	81.1
ABIT	GF4 Ti 4600	4X	30.5	2105	152.3	87.79	84.6
ASUS	V8200	4X	16.8	923	149.4	84.75	79.5
ATI	Radeon 7500	4X	9.3		109.1	84.25	69.9
ATI	Radeon 8500	4X	15.9	986	142.4	84.63	82.6
ELSA	GLADIAC 516	4X	8.0		112.4	84.52	63.1
ELSA	GLADIAC 921	4X	18.9	1051	152.6	84.83	80.8
Gainward	GF4 Ti4600	4X	30.3	2099	153.3	84.25	85.4
Hercules	3D Prophet III	4X	18.9	1051	151.0	84.79	80.5
Leadtek	GF2 GTS Pro	4X	7.6		107.5	84.01	60.6
Leadtek	GF3	4X	16.8	923	148.5	84.78	80.4
Leadtek	GF3 Ti200	4X	14.7	820	144.5	84.70	77.7
Leadtek	A250	4X	27.1	1981	152.8	84.85	85.2
Leadtek	A250 Ultra	4X	30.6	2179	153.2	84.78	84.8

Tested by: Jason Huang

Approved by: Justin Chen



AT7-MAX2 Test Report

Power supply scan

Scan 1 (voltage)

Configuration:

BIOS	AT72_AD.B03	USB Prot 1	Logitech Wingman extreme digital 3D
OS	Win2K SP2	USB Prot 2	Accton USB 10/100 Ethernet adapter
Memory	Kingston 125MB*4	USB Prot 3	Logitech iFeel M-UN58A Mouse
CPU	Athlon 1.33G	USB Prot 4	Microsoft IntelliMouse Explorer
FDD	Samsung 1.44MB	Mouse	COMPAQ M-S69
HDD	Seagate ST340016A	Keyboard	COMPAQ 6511-VA
CD-ROM	BENQ 652A-327		
PCI Slot 1	Creative Blaster Live 5.1 Sound		
PCI Slot 2	Rocket RAID 404 Hightpoint 374 + Seagate ST310211A		
PCI Slot 3	3COM EtherLink 10/100 PCI LAN Card		
PCI Slot 4	Debug Card		
PCI Slot 5	Tekram DC-390U3W SCSI Card		

Purpose 1:

1. Measure +3.3V / +5V and +12V and record those voltage in BIOS PC Health.
2. Each power supply must boot entering operation system and shutdown at least.
3. Make sure all LED are unlighted on debug card after shutdown the system.

Model	Vender	Debug Card Status	BIOS PC Health			Measurement		
			+3.3V	+5V	+12V	+3.3V	+5V	+12V
ATX-300	ATX	V	3.23	4.94	11.55	3.25	4.98	11.62
ATX-1957D2	BESTEC	V	3.29	4.98	11.97	3.30	4.89	11.88
B200W	DEER	V	3.26	4.94	11.79	3.28	4.97	11.88
B250W	DEER	V	3.28	5.05	12.03	3.29	5.11	12.11
B300W	DEER	V	3.28	5.08	12.09	3.29	5.13	12.18
B350W	DEER	V	3.28	5.05	11.91	3.29	5.09	11.99
ENP-0730	Enhance	V	3.31	5.02	11.91	3.32	12	5.07
EG365P-VE	Enermax	V	3.29	4.97	11.97	3.30	4.99	12.01
EG465P-VE	Enermax	V	3.24	4.99	11.85	3.27	5.09	11.94
ESP300-60BT	FSP	V	3.28	4.94	11.79	3.29	4.98	11.82
HPC-300-101	High Power	V	3.31	4.97	11.85	3.32	5.02	11.94
HPC-340-101	High Power	V	3.32	5.02	11.79	3.35	5.07	11.86
CWT-300ATX12	Hi-Cute	V	3.32	4.91	11.73	3.33	5.02	11.83
IW-P300A2-0	In Win	V	3.24	4.86	11.55	3.25	4.89	11.59
PW-250ATXE	Power win	V	3.21	4.97	11.79	3.23	5.01	11.88
MPT-301	Supa life	V	3.24	4.97	11.73	3.26	5.01	11.82
ST-250PIIIV	Seventeam	V	3.32	5.05	12.22	3.34	5.09	12.25
ST-300BLV	Seventeam	V	3.29	4.97	11.73	3.31	5.01	11.77
ST-250BLV	Seventeam	V	3.34	4.97	11.73	3.35	5.02	11.77
FV-300N20	TGR	V	3.31	5.03	11.89	3.29	4.99	11.85



AT7-MAX2 Test Report

Scan 2 (reset)

Configuration:

BIOS	AT72_AD.B03	USB Prot 1	Logitech Wingman extreme digital 3D
OS	Win2K SP2	USB Prot 2	Accton USB 10/100 Ethernet adapter
Memory	Kingston 125MB*4	USB Prot 3	Logitech iFeel M-UN58A Mouse
CPU	Athlon 1.33G	USB Prot 4	Microsoft IntelliMouse Explorer
FDD	Samsung 1.44MB	Mouse	COMPAQ M-S69
HDD	Seagate ST340016A	Keyboard	COMPAQ 6511-VA
CD-ROM	BENQ 652A-327		
PCI Slot 1	Creative Blaster Live 5.1 Sound		
PCI Slot 2	Rocket RAID 404 Hightpoint 374 + Seagate ST310211A		
PCI Slot 3	3COM EtherLink 10/100 PCI LAN Card		
PCI Slot 4	Debug Card		
PCI Slot 5	Tekram DC-390U3W SCSI Card		

Purpose:(No Chamber Environment/Open Case)

- 1 All of power supply must arrange for 256/128MB Memory Modules making system on/off
- 2.Boot & Shutdown & Reset (**Power** Bottom) 50 times
- 3.Boot & Shutdown & Reset (**Reset** Bottom) 50 times (devices full loading as far as possible).
- 4.Wake On LAN function doesn't guarantee for all power supply.

Model	Vender	Peak Output	+3.3v/+5v Current	+5v SB /MAX	Safety/ EMC	Result
ATX-300	ATX	300W	15A / 22A	1A	V	V
ATX-1957D2	BESTEC	250W	16.7A / 25A	2A	V	V
B200W	DEER	200W	9A / 18A	2A	NIL	V
B250W	DEER	250W	11A / 20A	2A	NIL	V
B300W	DEER	300W	12A / 24A	2A	NIL	V
B350W	DEER	350W	12A / 24A	2A	NIL	V
ENP-0730	Enhance	300W	28A / 30A	2A	V	V
EG365P-VE	Enermax	350W	32A / 32A	2.2A	V	V
EG465P-VE	Enermax	430W	38A / 44A	2.2A	V	V
ESP300-60BT	FSP	300W	28A / 30A	2A	V	V
HPC-300-101	High Power	300W	20A / 25A	1.5A	V	V
HPC-340-101	High Power	340W	28A / 30A	2A	V	V
CWT-300ATX12	Hi-Cute	300W	14A / 30A	2A	V	V
IW-P300A2-0	In Win	300W	28A / 30A	2A	V	V
PW-250ATXE	Power win	250W	16A / 25A	1.5A	V	V
MPT-301	Supa life	300W	14A / 30A	3A	V	V
ST-250PIIIIV	Seventeam	250W	20A / 25A	2A	V	V
ST-300BLV	Seventeam	300W	28A / 30A	2A	V	V
ST-250BLV	Seventeam	250W	25A / 20A	2A	V	V
FV-300N20	TGR	300W	20A / 30A	2A	V	V

NIL: Not supported.

Tested by: Boris Wu

Approved by: Justin Chen



AT7-MAX2 Test Report

Operating system

Configuration (Highest speed CPU):

BIOS	AT72_AD.B03
Memory	Kingston 128MB*4
CPU	Athlon 1.2G (100)
FDD	Samsung 1.44MB
HDD	Seagate ST340016A
DVD-ROM	Creative 5X
Mouse	Compaq M-S69
Keyboard	Compaq 6511-VA
Power Supply	HIPRO HP-P302GF3

Microsoft WinME (Chinese)

Testing Contents	Result	Remark
Install WinME from CD-ROM	V	
Install Office 2000 from Network	V	
Create Bootable Disk	V	
Disk copy	V	
Setup 2 or 3Applications	V	
Cutting Out from A to B (Application)	V	
Edit /Save/Copy File	V	
Remove Application	V	
Add On Card PnP (Sound /LAN/Modem)	V	
Add On Card (Driver) Setup Finish & Check	V	
Setup Game	V	
Ending /Shut Down/Warm Boot/Power Off	V	
Reset bottom & Entry O S 10 Times	V	
Power Off	V	

Microsoft Win2K (Chinese)

Testing Contents	Result	Remark
Install Win2K From CD-ROM	V	
Install Office 2000 from Network	V	
Disk copy	V	
Setup 2 or 3Applications	V	
Cutting Out from A to B (Application)	V	
Edit /Save/Copy File	V	
Remove Application	V	
Add On Card PnP (Sound /LAN/Modem)	V	
Add On Card (Driver) Setup Finish & Check	V	
Setup Game	V	
Ending /Shut Down/Warm Boot/Power Off	V	
Reset bottom & entry O S 10 Times	V	
Power Off	V	



AT7-MAX2 Test Report

Microsoft WinXP (Chinese)

Testing Contents	Result	Remark
Install WinXP From CD-ROM	V	
Install Office 2000 from Network	V	
Disk copy	V	
Setup 2 or 3 Applications	V	
Cutting Out from A to B (Application)	V	
Edit /Save/Copy File	V	
Remove Application	V	
Add On Card PnP (Sound /LAN/Modem)	V	
Add On Card (Driver) Setup Finish & Check	V	
Setup Game	V	
Ending /Shut Down/Warm Boot/Power Off	V	
Reset bottom & entry O S 10 Times	V	
Power Off	V	

Others MS OS installation

(All on-board devices driver must be installed completely)

OS	Status	
	English	Chinese
Dos 6.22	V	
Win98SE	V	V
WinME	V	V
Win2K Professional	V	V
WinXP Home Edition	V	V
WinXP Professional	V	V

Tested by: Wisely / Boris / Jason / Joleen

Approved by: Justin Chen



AT7-MAX2 Test Report

IEEE1394 test

Configuration:

BIOS	AT72_AD.BIN	IEEE1394 External	Media XP
OS	WinXP / ME	IEEE1394 device 1	PROCOMP CCD
Memory	Infineon 512MB*2	IEEE1394 device 2	BENQ Seamless Link
CPU	Athlon XP 1900+	IEEE1394 device 3	Lite-on LRT-24102B
AGP	NVIDIA GF4 MX420 DDF	IEEE1394 device 4	Si-Bay 1394 Disk-on-the-go HDD
FDD	Samsung 1.44MB	Mouse	Logitech M-S69
HDD	Seagate ST340824A	Keyboard	COMPAQ 6511-VA
DVD-ROM	HITACHI CD-2500	Power	HEC HEC-250LR-T

Part 1: IEEE 1394 Device Interoperability Testing

Connect CCD to the Test bed IEEE 1394 port with 1.5M cable. Then connect CCD (with CCD's own power) with 1.5M cable to CD RW and proceed to make a 640MB CD Copy at full speed (16X) and the CCD at live the same time.

Device used:

Device	Manufacturer	Model name
IEEE1394 Camera	PROCOMP	CCD
IEEE1394 CD-RW	BENQ	Seamless Link

Table 1

Port #1		Port #2		Port #3	
WinXP	WinME	WinXP	WinME	WinXP	WinME
V	V	V	V	V	V

Result:

Note:

Must CCD live while doing CD Burning at the same time.

Part 2: Storage devices

1. The machine needs to be installed the device driver, if necessary.
2. Connected each device of all 1394 ports at the same time.
3. Use the CD RW to make a image to IEEE 1394 HD then proceeds to burn the image to CD while playing VCD from another CD-RW

Status:

No.	Manufacturer Model	Pass(All)		Fail Status
		WinXP	WinME	
1	Si-Bay 1394 Disk-on-the-go 20GB HDD	V	V	
2	Lite-on LRT-24102B CD-RW	V	V	
3	Beng External CD-RW	V	V	

Result					
Port 1		Port 2		Port 3	
WinXP	WinME	WinXP	WinME	WinXP	WinME
V	V	V	N/A	V	N/A

1. Remove one CDRW device and connect an IDE DVD ROM, install Power DVD XP.
2. Playback 1 DVD title in full screen from IDE DVD drive, while making a CD copy like previous test.

Status:

No.	Manufacturer Model	Pass(All)		Fail Status
		WinXP	WinME	
1	Si-Bay 1394 Disk-on-the-go 20GB HDD	V	V	
2	Lite-on LRT-24102B CD-RW	V	V	
3	ANY IDE DVD ROM available	V	V	

Result					
Port 1		Port 2		Port 3	
WinXP	WinME	WinXP	WinME	WinXP	WinME
V	V	V	V	V	V

Purpose3: Other Devices

1. The machine needs to be installed the device driver, if necessary.
2. To ensure all the devices function work normal on each 1394 port.

TYPE	Vendor	Model Name	1394 Port					
			Port 1		Port 2		Port 3	
			WinXP	WinME	WinXP	WinME	WinXP	WinME
Camera	PROCOMP	CCD	V	V	V	V	V	V

Tested by: Joleen Chien

Approved by: Justin Chen