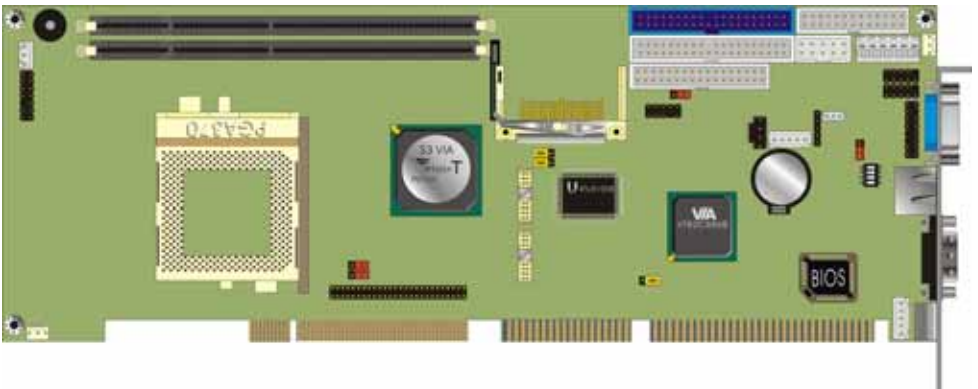


FS-961

Test Report

Edition 1.0



Chipset	BIOS	CPU
VIA VT8606 VIA VT82C686B	AWARD 6.00PG 02/13/2003-V8606-686B-6A6LLTPHC-00	Socket 370

Test Engineer: Jay

Identify: Morgan

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1. Reliability test

1.1 CPU Test

Model	Windows 98SE	Windows NT 4.0	Windows 2000 Professional	Windows 2000 Server
Socket 370 CyrixIII -700AMHz (100 X 7)	PASS	--	PASS	--
Socket 370 C3-800MHz (133 X 6)	PASS	--	PASS	--
Socket 370 C3-1.0AGHz (133 X 7.5)	PASS	PASS	PASS	PASS
Socket 370 Celeron-566MHz (66 X 8.5)	PASS	--	PASS	--
Socket 370 Celeron-850MHz (100 X 8.5)	PASS	--	PASS	--
Socket 370 PentiumIII -667MHz (133 X 5)	PASS	--	PASS	--
Socket 370 PentiumIII -866MHz (133 X 6.5)	PASS	PASS	PASS	PASS
Socket 370 PentiumIII-1.0BGHz (133 X 7.5)	PASS	PASS	PASS	PASS
Socket 370 PentiumIII-1.2GHz (133 X 9)	PASS	PASS	PASS	PASS

Model	Windows ME	Windows NT 4.0	Windows 2000 Professional	Windows 2000 Server
Socket 370 CyrixIII -700AMHz (100 X 7)	PASS	--	PASS	--
Socket 370 C3-800MHz (133 X 6)	PASS	--	PASS	--
Socket 370 C3-1.0AGHz (133 X 7.5)	PASS	PASS	PASS	PASS
Socket 370 Celeron-566MHz (66 X 8.5)	PASS	--	PASS	--
Socket 370 Celeron-850MHz (100 X 8.5)	PASS	--	PASS	--
Socket 370 PentiumIII -667MHz (133 X 5)	PASS	--	PASS	--
Socket 370 PentiumIII -866MHz (133 X 6.5)	PASS	PASS	PASS	PASS
Socket 370 PentiumIII-1.0BGHz (133 X 7.5)	PASS	PASS	PASS	PASS
Socket 370 PentiumIII-1.2GHz (133 X 9)	PASS	PASS	PASS	PASS

1.2 DIMM Module Test

No.	Model Size	Model	Chip Model No	Result
1	SDRAM 512MB	PC-133	K4S560832C-TC75	PASS
2	SDRAM 512MB	PC-133	W982508BH-75	PASS
3	SDRAM 256MB	PC-133	K4S280832B-TC75	PASS
4	SDRAM 256MB	PC-133	W981208AH-75	PASS
5	SDRAM 64MB	PC-133	V54C365804VCT7	PASS
6	SDRAM 64MB	PC-133	D4564841G5-A80-9JF	PASS
7	SDRAM 64MB	PC-133	M2V64S40BTP	PASS
8	SDRAM 128MB	PC-133	TTS3808B4E-6	PASS
9	SDRAM 128MB	PC-133	GM72V66841ET75	PASS
10	SDRAM 64MB	PC-100	D4564841G5-A10-9JF	PASS
11	SDRAM 64MB	PC-100	GM72V32821CU7J	PASS
12	SDRAM 64MB	PC-100	5264165DLTTB60	PASS
13	SDRAM 64MB	PC-100	KM48S8030CT-GL	PASS
BIOS : Version 1.0 Load Setup				

1.3 DIMM Module Test Procedure

No	DIM Model	Operating System	Procedure	Result
1	SAMSUNG 512MB SDRAM (PC-133)	1. Windows 98 SE 2. Windows XP	1. Install OS 2. RUN C.C.Winstone2001	PASS
2	WINBOND 512MB SDRAM (PC-133)	1. Windows 98 SE 2. Windows 2000	1. Install OS 2. RUN C.C.Winstone2001	PASS
3	SAMSUNG 256MB SDRAM (PC-133)	1. Windows 98 SE 2. Windows XP	1. Install OS 2. RUN C.C.Winston2001	PASS
4	WINBOND 256MB SDRAM (PC-133)	1. Windows 98 SE 2. Windows XP	1. Install OS 2. RUN C.C.Winston2001	PASS
5	Mosel Viteli 64MB SDRAM (PC-133)	1. Windows 98 SE 2. Windows 2000	1. Install OS 2. RUN C.C.Winston2001	PASS
6	NEC 64MB SDRAM (PC-133)	1. Windows ME 2. Windows 2000	1. Install OS 2. RUN C.C.Winston2001	PASS
7	MITSUBISHI 64MB SDRAM (PC-133)	1. Windows 98 SE 2. Windows XP	1. Install OS 2. RUN C.C.Winston2001	PASS
8	M.tec 128MB SDRAM (PC-133)	1. Windows 98 SE 2. Windows XP	1. Install OS 2. RUN C.C.Winston2001	PASS
9	LGS 128MB SDRAM (PC-133)	1. Windows 98 SE 2. Windows 2000	1. Install OS 2. RUN C.C.Winston2001	PASS

10	NEC 64MB SDRAM (PC-100)	1. Windows 98 SE 2. Windows XP	1. Install OS 2. RUN C.C.Winston2001	PASS
11	GLOBAL 64MB SDRAM (PC-100)	1. Windows ME 2. Windows 2000	1. Install OS 2. RUN C.C.Winston2001	PASS
12	MALAYSIA 64MB SDRAM (PC-100)	1. Windows 98 SE 2. Windows 2000	1. Install OS 2. RUN C.C.Winstone2001	PASS
13	SAMSUNG 64MB SDRAM (PC-100)	1. Windows 98 SE 2. Windows 2000	1. Install OS 2. RUN C.C.Winstome2001	PASS
BIOS : Version 1.0 Load Setup				

2. Software Compatibility Test

2.1 Operating System

No	Operating System	Test Key point	Test Environment	Result
1	Windows NT4.0 Workstation (English)	<ol style="list-style-type: none"> Client Server test C.C.Winstone2001 WinBench99 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	Windows 98 SE (English)	<ol style="list-style-type: none"> C.C.Winstone2001 3DMARK2000 WinBench99 3DMARK2001 B.Winstome2001 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
3	Windows 98 SE (Chinese)	<ol style="list-style-type: none"> C.C.Winstone2001 3DMARK2000 3DMARK2001 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

4	Windows ME (English)	<ol style="list-style-type: none"> 1 C.C.Winstone2001 2 B.Winstone2001 3 3DMARK2000 4 3DMARK2001 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
5	Windows 2000 Professional (English)	<ol style="list-style-type: none"> 1. Client Server test 2. C.C.Winstone2001 3. WinBench99 4. B.Winstone2001 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
6	Windows 2000 Server (Chinese)	<ol style="list-style-type: none"> 1. Client Server test 2. C.C.Winstone2001 3. WinBench99 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
7	Windows XP Professional (English)	<ol style="list-style-type: none"> 1. Client Server test 2. 3DMARK 2001 3. C.C.Winstone2001 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

8	Windows XP Home Edition (English)	<ol style="list-style-type: none"> 1. Client Server test 2. 3DMARK 2001 3. C.C.Winstone2001 4. B.Winstone2001 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
9	Linux Red Hat 7.3 (Chinese)	<ol style="list-style-type: none"> 1. Network Test 2. Play O.S. Game 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
10	Linux Red Hat 8.0 (Chinese)	<ol style="list-style-type: none"> 1. Network Test 2. Play O.S. Game 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
BIOS : Version 1.0 Load Setup				

2.2 Windows Application Test

No	Software	Test Key point	Test Environment	Result
1	Adobe PageMaker 7.0	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	Adobe Acrobat 5.0	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
3	Cadence Design Systems Allegro Free Viewer 14.0	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

4	Adobe Photoshop 6.01	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
5	WinZip 8.1 SR-1	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
6	WinRAR 3.10 beta 2	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
7	Adobe Acrobat Reader 4.0	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

8	Symantec Norton Utilities 2002	1. Installation 2. Run Program	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
9	Symantec Norton AntiVirus 2003	1. Installation 2. Run Program	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
10	Symantec Norton GHOST 2002	1. Installation 2. Run Program	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
11	DR.EYE 2002 V4.7.1100	1. Installation 2. Run Program	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

No	Software	Test Key point	Test Environment	Result
12	Ahead Nero 5 BURNING ROM 5.5.7.2	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
13	BlindWrite Suite 4	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
14	A2 Media Player V2.21	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

15	Media Jukebox 8.0.393	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
16	MusicMatch Jukebox 7.50	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
17	PowerQuest PartitionMagic 7.0	<ol style="list-style-type: none"> 1. Installation 2. Run Program 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
BIOS : Version 1.0 Load Setup				

2.3 Game Test

No	Software	Test Key point	Test Environment	Result
1	Daytona USA	<ol style="list-style-type: none"> 1. Installation 2. Play Game 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	Quake III Arena	<ol style="list-style-type: none"> 1. Installation 2. Play game 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
3	Age of Empires II	<ol style="list-style-type: none"> 1. Installation 2. Play game 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
4	NBA Live 2001	<ol style="list-style-type: none"> 1. Installation 2. Play game 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB	PASS

			CD-ROM : Actima 52XS 172G 52X	
5	H LF-LIFE	<ol style="list-style-type: none"> 1. Installation 2. Play game 	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
BIOS : Version 1.0 Load Setup				

3. Fundamental Function Test

3.1 Power Management Test

No	Type	Test Item	Result	Memo
1	Power Management	Mini Saving	PASS	
		Max Saving	PASS	
		User Defined	PASS	
2	PM Timer	HDD Power Down	PASS	
		Suspend Mode	PASS	
3	PWR Switch	Instant-off	PASS	
		Delay 4 sec	PASS	
4	Power On by Ring		PASS	
5	Resume by Alarm		PASS	

3.2 Interface Function Test

No	Function on board	Result
1	DIMM 1(168 SDRAM)	PASS
2	DIMM 2(168 SDRAM)	PASS
3	USB1 (USB Keyboard) 、 USB2 (USB Mouse)	PASS
4	USB3 (USB Modem) 、 USB4 (USB Mass Storage)	PASS
5	Com 1(Serial Mouse)、 Com 2(Modem)	PASS
6	PRINTER Connect	PASS
7	IDE 1 (Hard Disk)	PASS
8	IDE 2 (CD-ROM)	PASS
9	FDD1	PASS
10	SIR Connect	PASS
11	AUDIO、 CDIN Connect	PASS
12	VGA Connect	PASS
13	CF Connect	PASS
14	LCD、 LVDS	PASS
15	JVOLT1、 JVOLT2	PASS
16	JLAN	PASS
17	JCFSEL	PASS
18	JRTC	PASS
19	JWDT	PASS
20	JWOL (by PCI LAN Card)	PASS
21	DOM	PASS

3.3 LED or Control Panel Test

No	Panel Connector	Result	Memo
1	Power LED	PASS	
2	Power Button	PASS	
3	Reset	PASS	
4	IDE LED	PASS	
5	Speaker	PASS	
6	LAN LED	PASS	

3.4 System BIOS Function Test

No	Function on System BIOS	Result	Memo
1	CPU L1 Cache	PASS	
2	CPU L2 Cache	PASS	
3	Quick Power on Self Test	PASS	
4	On Chip Primary PCI IDE	PASS	
5	On Chip Secondary PCI IDE	PASS	
6	First Boot Device	PASS	
7	USB Controller	PASS	
8	USB Keyboard Support	PASS	
9	Init Display Fist	PASS	
10	ACPI Function	PASS	
11	CPU Warning Temperature	PASS	
12	CPU Frequency Control	PASS	
13	UART2 Mode Select	PASS	
14	Pwron After PWR-Fail	PASS	
15	On board FDC Controller	PASS	
16	On board Serial Port 1	PASS	
17	On board Serial Port 2	PASS	
18	On board Parallel Port	PASS	
19	Current CPU FAN Speed	PASS	
20	Current System FAN Speed	PASS	
21	Set Supervisor Password	PASS	
22	Set User Password	PASS	

3.5 Onboard Graphic Driver Test

No	Resolution	Test Key point	Operating System	Test Environment	Result
1	800 x 600 16 bit 60Hz	1. 3DMARK2001 2. Winbench99	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	1024 x 768 16 bit 60Hz	1.3DMARK2001 2.Winbench99	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
3	800 x 600 32 bit 60Hz	1.3DMARK2001 2.Winbench99	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
4	1024 x 768 32 bit 60Hz	1.3DMARK2001 2.Winbench99	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

5	1280 x 1024 32 bit 60Hz	1.3DMARK2001 2.Winbench99	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
BIOS : Version 1.0 Load Setup					

4. Simple Performance Test

System Configuration:

- DIMM1: Type_SAMSUNG 168pin SDRAM Model K4S280832B-TC75 Size: 256_MB
- DIMM2: Type_SAMSUNG 168pin SDRAM Model K4S280832B-TC75 Size: 256_MB
- Display adapter- On board VGA
- CD-ROM: Actima 52XS 172G 52X
- HDD: Maxtor 6L040J2 AR1.0500 40.0GB
- BIOS Version 1.0 Load Setup Default
- OS : Windows 98 SE (English)

4.1 Content Creation Winstone2001 V1.0

(Resolution: 1024X768, 16bit colors60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
Content Creation Winstone2001	49.3	43.8	39.1

Run 5 times select the Best Score

4.2 Business Winstone2001 V1.0

(Resolution: 1024X768, 16bit colors60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
Business Winstone2001	47.1	41.5	38

4.3 Content Creation Winstone2000 V1.0

(Resolution: 1024X768, 16bit colors 60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
Content Creation Winstone2000	41.2	36.4	34.1

4.4 Winstone99 V1.3

(Resolution: 1024X768, 16bit colors 60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
Winstone99	34.1	29	27.9

4.5 3D Mark99 Max Build.200

(Resolution: 800X600, 16bit colors 60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
3D Marks 99	3303	3439	3467
Synthetic CPU 3D Speed	17237	14020	12628

4.6 3D Mark2000 V1.1

(Resolution: 1024X768, 16bit colors 60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
On Board VGA	1160	1175	1185

4.7 3D Mark2001 V1.0

(Resolution: 1024X768, 16bit colors 60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
On Board VGA	428	429	425

4.8 Win Bench 99 V1.1

(Resolution: 1024x768, 16bit colors 60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
CPUMark99	96.9	82.7	74.9
FPU WinMark	6580	5330	4620
Business Disk WinMark99	11000	10100	9880
High-End Disk WinMark99	23300	23200	22200
Business Graphics WinMark99	447	378	350
High-EndGraphicsWinMark99	1200	995	888

System Configuration:

- DIMM1: Type_SAMSUNG 168pin SDRAM Model K4S280832B-TC75 Size: 256_MB
- DIMM2: Type_SAMSUNG 168pin SDRAM Model K4S280832B-TC75 Size: 256_MB
- Display adapter- On board VGA
- CD-ROM: Actima 52XS 172G 52X
- HDD: Maxtor 6L040J2 AR1.0500 40.0GB
- BIOS Version 1.0 Load Setup Default

OS : Windows XP Home Edition (English)

4.9 Content Creation Winstone2001 V1.0

(Resolution: 1024X768, 16bit colors 60Hz refresh rate with small font)

<i>CPU Type</i>	<i>Intel Pentium III</i> 1.2 GHz	<i>Intel Pentium III</i> 1.0B GHz	<i>Intel Pentium III</i> 866 MHz
Content Creation Winstone2001	63.6	56.4	50.6

5. Hardware Compatibility Testing

5.1 Graphic Card(PCI&ISA)

No	Graphic Card	Test Key point	Operating System	Test Environment	Result
1	Cardex S3 Virge/Dx (PCI)	1.Install O.S 2.WinBench 99	Windows 98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	Trident 9440 (PCI)	1.Install O.S 2.WinBench 99	Windows 98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
3	Cyber Pro 2000 (PCI)	1.Install O.S 2.WinBench 99	Windows 98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
4	Tseng Labs ET4000 (ISA)	1.Install O.S 2.WinBench 99	Windows 98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

5	Cirrus Logic GD5429 (ISA)	1.Install O.S 2.WinBench 99	Windows 98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
BIOS : Version 1.0 Load Setup					

5.2 LAN Card (PCI&ISA)

No	LAN Card	Test Key point	Operating System	Test Environment	Result
1	3 COM 3C905B-TX (PCI)	1.Client/server test 2. Internet Test	1.Windows98SE 2. Windows 2000	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	D-Link DFE-530 TX (PCI)	1.Client/server test	1.Windows98SE 2. Windows2000	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
3	Realtak RTL 8139C (PCI)	1.Client/server test	1.Windows98SE 2. Windows 2000	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
4	Intel L101 (PCI)	1.Client/server test	1.Windows98SE 2. Windows 2000	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB	PASS

				CD-ROM : Actima 52XS 172G 52X	
5	Realtak RTL8139B (PCI)	1.Client/server test	1.Windows98 2.Windows Nt4.0	CPU : Intel Pentium III Socket370 1.0B GHZ DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	
No	LAN Card	Test Key point	Operating System	Test Environment	Result
6	Win bond NE55W (PCI)	1.Client/server test	1.Windows 98 2.Windows Nt4.0	CPU : Intel Pentium III Socket370 1.0B GHZ DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
7	Win bond W98C840F (PCI)	1.Client/server test	1.Windows98 2.Windows Nt4.0	CPU : Intel Pentium III Socket370 1.0B GHZ DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
8	Realtak RTL8029AS (PCI)	1.Client/server test	1.Windows98 2.Windows Nt4.0	CPU : Intel Pentium III Socket370 1.0B GHZ DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB	PASS

				CD-ROM : Actima 52XS 172G 52X	
9	D-Link DE-530 CT (PCI)	1.Client/server test	1.Windows98 2.Windows Nt4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
10	Realtak RTL8019 (ISA)	1.Client/server test	1.Windows98 2.Windows Nt4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
BIOS : Version 1.0 Load Setup					

5.3 Sound Card (PCI&ISA)(Disable onboard sound codec)

No	Sound card	Test Key point	Operating System	Test Environment	Result
1	ESS ES1989S (PCI)	Play Media function: MIDI,WAV, CD-AUDIO MPEG,etc ...	1.Windows98SE 2 Windows 2000	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	ALS ALS4000 (PCI)	Play media function: MIDI,WAV, CD-AUDIO MPEG,etc ...	1.Windows98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
3	YAMAHA S927-4ch (PCI)	Play media function: MIDI,WAV, CD-AUDIO MPEG,etc ...	1 Windows 98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

4	ESS SOLO1 (PCI)	Play media function: MIDI,WAV, CD-AUDIO MPEG,etc ...	1 Windows 98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
5	ENSOIQ ES1370 (PCI)	Play media function: MIDI,WAV, CD-AUDIO MPEG,etc ...	1 Windows 98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

No	Sound card	Test Key point	Operating System	Test Environment	Result
6	ESS ES1869 (ISA)	Play media function: MIDI,WAV, CD-AUDIO MPEG,etc ...	1.Windows98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
7	ESS ES1868F (ISA)	Play media function: MIDI,WAV, CD-AUDIO MPEG,etc ...	1 Windows 98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
8	OPTi 82C931 (ISA)	Play media function: MIDI,WAV, CD-AUDIO MPEG,etc ...	1 Windows 98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

9	Avance Logic ALS120 (ISA)	Play media function: MIDI,WAV, CD-AUDIO, MPEG,etc ...	1 Windows 98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
10	Rock Well RWA010 (ISA)	Play media function: MIDI,WAV, CD-AUDIO, MPEG,etc ...	1 Windows 98 SE 2 Windows NT4.0	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
BIOS : Version 1.0 Load Setup					

5.4 Other PCI&ISA Device

No	Device	Test Key point	Operating System	Test Environment	Result
1	Adaptec AHA-2930U2 (PCI)	Install O.S. test	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	Sym bios Logic DP05772 (PCI)	Install O.S. test	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
3	ACC Micro F01ASR5120 7 (PCI)	Install O.S. test	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS

4	DOMEX DMX-3096S (PCI)	Install O.S. test	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
5	PCtel PCT388P (ISA)	Install O.S. test Dial-UP Networking	Windows98 SE	CPU : Intel Pentium III Socket370 1.0B GHz DIMM1 : Samsung 256MB SDRAM DIMM2 : Samsung 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
BIOS : Version 1.0 Load Setup					

5.5 Keyboard

No	Key Board	Brand/Type	Result
1	104-key keyboard-Philips KWD-601	Philips	PASS
2	104-key keyboard-BTC-8110M	BTC	PASS
3	104-key keyboard-RT6855TW	NMB	PASS
4	USB 104-key keyboard	Forward	PASS
5	USB 104-key keyboard	Chicory	PASS
6	101-key keyboard CHAMPKING	Champ king	PASS
7	SCORPIUS 98A-DCS	DCS	PASS

5.6 Mouse

No	Mouse	Brand/Type	Result
1	PS/2 mouse –M-S34	Philips	PASS
2	Serial mouse	Microsoft	PASS
3	PS/2 mouse	Microsoft	PASS
4	USB mouse-DCS	DCS	PASS
5	PS/2 mouse-LYNX 3D MOUSE	DCS	PASS

5.7 HDD(EIDE)

No	IDE HDD	Test Key point	Operating System	Test Environment	Result
1	Maxtor 6L040J2 AR1.0500 40.0GB	1 Hard disk delete 2 Install O.S	Windows98 SE Windows XP	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA CD-ROM : Sony CDU4811 PY09	PASS
2	Western Digital WDC WD400EB-00CPF 0 06.04G06 40.0GB	1 Hard disk delete 2 Install O.S	Windows2000	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA CD-ROM : Sony CDU4811 PY09	PASS
3	Seagate ST340016A 3.19 40GB	1 Hard disk delete 2 Install O.S	Windows98 SE	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA CD-ROM : Sony CDU4811 PY09	PASS
4	Maxtor 6E040L0 NAR61590 40.0GB	1 Hard disk delete 2 Install O.S	Windows NT4.0	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA CD-ROM : Sony CDU4811 PY09	PASS

5	Seagate ST330620A 30GB	1 Hard disk delete 2 Install O.S	Windows XP	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA CD-ROM : Sony CDU4811 PY09	PASS
BIOS : Version 1.0 Load Setup					

5.8 CD-ROM

No	CD-ROM Device	Test Key point	Operating System	Test Environment	Result
1	Actima 52XS 172G 52X	1. Install O.S 2. Media function test audio CD,VCD,etc	Windows98 SE Windows 2000	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Actima 52XS 172G 52X	PASS
2	SONY CDU4811 PY09 48X	1. Install O.S 2. Media function test audio CD,VCD,etc	Windows98 SE Windows 2000	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : Sony CDU4811 PY09 48X	PASS
3	TEAC CD 532E 1.0A 32X	1. Install O.S 2. Media function test audio CD,VCD,etc	Windows98 SE Windows 2000	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : TEAC CD 532E 1.0A 32X	PASS
4	ASUS CD-S520/A	1. Install O.S 2 Media function test audio CD,VCD,etc	Windows98 SE Windows 2000	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB CD-ROM : ASUS CD-S520/A 52X	PASS
BIOS : Version 1.0 Load Setup					

5.9 DVD-ROM

No	DVD-ROM Device	Test Key point	Operating System	Test Environment	Result
1	Pioneer A open DVD1648	1 Install O.S 2 Play DVD movie 3 Play VCD movie 4 Play audio CD	Windows98 SE	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB	PASS
2	Pioneer DVD-020	1 Install O.S 2 Play DVD movie 3 Play VCD movie 4 Play audio CD	Windows98 SE	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB	PASS
3	HITACHI GD-2500	1 Install O.S 2 Play DVD movie 3 Play VCD movie 4 Play audio CD	Windows98 SE	CPU : Intel Celeron Socket370 850Hz DIMM1 : Samsung 256MB SDRAM DIMM2 : Winbond 256MB SDRAM Display adapter-On board VGA HDD : Maxtor 6L040J2 40GB	PASS
BIOS : Version 1.0 Load Setup					

6. Power Consumption Test

System Configuration

DIMM1: Type_SAMSUNG 168pin SDRAM Model K4S280832B-TC75 Size: 256_MB

DIMM2: Type_SAMSUNG 168pin SDRAM Model K4S280832B-TC75 Size: 256_MB

<i>CPU Type</i>	<i>12 V</i>	<i>-12 V</i>	<i>5 V</i>	<i>-5 V</i>
PentiumIII-1.2GHz (133 X 9) 0.13 micron	0.3 A	< 0.1 A	4.3 A	< 0.1 A
PentiumIII-1.0BGHz (133 X 7.5) 0.18 micron	0.2 A	< 0.1 A	5.8 A	< 0.1 A
VIA C3-1.0AGHz (133 X 7.5) 0.13 micron	0.3 A	< 0.1 A	4.1 A	< 0.1 A
VIA CyrixIII-700AMHz (100 X 7) 0.18 micron	0.2 A	< 0.1 A	3.6 A	< 0.1 A