

P5A M/B Test Report Rev.1.0

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PART A. SPECIFICATION TEST

1. System Specific Test

CPU Test						
Vender	Model	Voltage	Clock Multiplier	Bus Speed	Remark/Special Setting	
AMD	K6/266	2.2V	4.0X	66 MHz		
	K6/300	2.2V	4.5X	66 MHz		
	K6-2/300	2.2V	3.0X	100 MHz		
	K6-2/333	2.2V	3.5X	95 MHz		
Cyrix	MII-300	2.9V	3.0X	75 MHz		
		2.9V	3.5X	66 MHz		
Intel	P55C-233	2.8V	3.5X	66 MHz		
Memory Test						
Type	SIZE	Vendor	Component	Remark/Special Setting		
168 Pin DIMM Module	16Mbytes	Fujitsu	81117822A-100FN			
		Micron	MT48LC2M8A1-10			
		Micron	MT48LC2M8A1-8B			
		SEC	KM48S2020CT-G8			
		Siemens	HYB39S16800AT-8			
		Toshiba	TC59S1608AFT-12A			
	32Mbytes	Fujitsu	81F16822B-102FN			
		Fujitsu	81F16822B-10FN			
		Fujitsu	81F64842B-103FN			
		LGS	GM72V661641CT7J			
		Mitsubishi	H5M4V16S30DTP			
		Mitsubishi	M5M4V16S30CTP 7032A01-12			
		NEC	D4516821AG5-A10-7JF			
		OKI	M56V16800D-10			
		SEC	KM48S2020CT-G8			
		Siemens	ES39S16800CT-8			
		Siemens	HYB39S16800AT-8			
		64Mbytes	GH	HY57V658020ATC-10P		
			LGS	GM72V66841CT7J		
			NEC	D4564841G5-A10		
	SEC		KM48S8030AT-G10			
	Toshiba		TC59S6408FTL-80H			
	128Mbytes	Mitsubishi	M5M4V64S30ATP			
		NEC	D4564841G5-A10-9JF			
	FDD Devices					
	Type	Model	O.S. Environment	Status	Remark/Special Setting	
	3Mode FDD	Mitsumi D353T5	MS-DOS V6.20 (Japanese)	Pass		
	1.44 MB FDD	EPSON SMD-1300	Win95 V950B	Pass		
NEC FD1231H		NT WKS V4.0 OS/2 WARP Server V4.0 Solaris V2.6 NT WKS V5.0 Beta1 UnixWare V2.1 UnixWare V7.0 WFWG V3.11 Win95 V950B	Pass			
1.2 MB FDD	NEC FD1157C	MS-DOS V6.22	Pass			

Serial Port Devices				
Type	Model	O.S. Environment	Status	Remark/Special Setting
Mouse	<i>Logitech First Mouse Super</i>	NT WKS V4.0 OS/2 WARP Server V4.0 UnixWare V2.1 UnixWare V7.0 WFWG V3.11	Pass	
	<i>Logitech M - M35</i>	Win95 V950B Win98 (Chinese-Traditional)	Pass	
	<i>Microsoft Serial Mouse</i>	Win98 Win95 V950B	Pass	
	<i>Microsoft IntelliMouse</i>	NT WKS V4.0 Solaris V2.6	Pass	
Modem	<i>USRobotics 56K</i>	Win95 V950B	Pass	Power Up on Modem act test.
PS2 Port Devices				
Type	Model	O.S. Environment	Status	Remark/Special Setting
Mouse	<i>Primax MOSXK PS/2 Mouse</i>	Solaris V2.6	Pass	
	<i>Logitech M-S34 Mouse</i>	Win95 V950B	Pass	
Parallel Port Devices				
Type	Model	O.S. Environment	Status	Remark/Special Setting
CD-ROM	<i>Up Select Commuter Parallel Port Portable IDE CD-ROM Case</i>	MS-DOS V6.22	Pass	EPP Mode
ECP Cable	<i>Direct Parallel Universal Cable</i>	Win95 V950B	Pass	ECP Mode
HDD	<i>DataStor Commuter Parallel Port Portable IDE Disk Case</i>	MS-DOS V6.22	Pass	EPP Mode
	<i>Datafab MD3P Parallel Port Portable IDE Disk Case</i>	MS-DOS V6.22 Win95 V950B	Pass	EPP Mode
	<i>Up Select Commuter Parallel Port Portable SCSI Disk Case</i>	MS-DOS V6.22	Pass	EPP Mode
M.O.	<i>Philip PDD230</i>	Win95 V950B	Pass	
Printer	<i>HP LaserJet 5L</i>	Win95 V950B Win98	Pass	
Scanner	<i>UMAX Astra 610P</i>	Win95 V950B	Pass	
Tape	<i>lomega IO3020</i>	Win95 V950B	Pass	
Zip	<i>lomega Z100P2</i>	Win95 V950B	Pass	
USB Devices				
Type	Model	O.S. Environment	Status	Remark/Special Setting
Camera	<i>Kodak DVC-300</i>	Win95 V950B	Pass	
Hub	<i>Catc U-HUB-AN1</i>	Win95 V950B Win98	Pass	
	<i>Unixtar UT-USB41</i>	Win95 V950B Win98	Pass	
Keyboard	<i>Chicony KU-8933</i>	Win98	Pass	
	<i>Forward FDA-104U</i>	Win98	Pass	
	<i>Chicony KU-8933</i>	Win98	Pass	
	<i>Forward FDA-104U</i>	Win98	Pass	
	<i>Ortek EKB-804</i>	Win98	Pass	

USB Devices				
Type	Model	O.S. Environment	Status	Remark/Special Setting
Keyboard	<i>Solid ACK-210</i>	Win98	Pass	
	<i>Solid ACK-310</i>	Win98	Pass	
	<i>Silitek SK-6000</i>	MS-DOS V6.22 Win95 V950B Win98	Pass	
Loop Back	<i>USB HPT Host Production Tester</i>	MS-DOS V6.22	Pass	
Monitor	<i>Philips 17A580BQ</i>	Win98	Pass	
Mouse	<i>Anchor USB Mouse</i>	Win95 V950B Win98	Pass	
	<i>Dexin A2U800A</i>	Win98	Pass	
	<i>Cypress FDM-A50</i>	Win98	Pass	
	<i>Genius NICHE USB</i>	Win98	Pass	
	<i>Logitech USB Mouse</i>	Win95 V950B Win98	Pass	
	<i>Anchor USB Mouse</i>	Win95 V950B Win98	Pass	
	<i>Dexin A2U800A</i>	Win98	Pass	
	<i>Microsoft USB Mouse 2900</i>	Win95 V950B Win98	Pass	
IR Devices				
Type	Model	O.S. Environment	Status	Remark/Special Setting
IR Connector	<i>ASUSTeK Infrared Device</i>	Win95 V950B Win98	Pass	
	<i>ACTiSYS ACT-IR2000L</i>	Win95 V950B Win98	Pass	
	<i>Vitex IRJet5000</i>	Win95 V950B Win98	Pass	
IDE Devices				
Type	Model	O.S. Environment	Status	Remark/Special Setting
LS-120	<i>O.R. Technology FD-3120A</i>	Win95 V950B	Pass	
M.O.	<i>Fujitsu M2541BE02</i>	Win95 V950B	Pass	
Zip	<i>lomega Z100ATAPI</i>	Win95 V950B	Pass	
	<i>lomega Z100 iDE</i>	Win95 V950B	Pass	
	<i>Panasonic JU-811E01</i>	Win95 V950B	Pass	

2. System BIOS Test

2.1 System CMOS Setup

System BIOS Test			
Test Item		Status	Remark/Special Setting
CMOS Setup Utility	Load BIOS Default	Pass	
	Load Setup Default	Pass	
	Supervisor Password	Pass	
	User Password	Pass	
	Save & Exit Setup	Pass	
	Exit Without Saving	Pass	
Standard CMOS Setup Test	Sign-On message and BIOS Information	Pass	
	POST error detection message test	Pass	
	System Date and Time	Pass	Over 2000 years (BIOS/DOS/WIN95)
	Diskette A: / B:	Pass	None / 1.2M / 1.44 MB / 3 Mode support
	Hard Disk Drive	Pass	HDD Auto Detect / User Type / None
	Video System	Pass	EGA / VGA, MONO
	System Memory	Pass	
	Extended Memory	Pass	
BIOS Features Setup	Boot Virus Detection	Pass	Enabled / Disabled
	CPU Internal Cache	Pass	Enabled / Disabled
	External Cache	Pass	Enabled / Disabled
	Quick Power On Self Test	Pass	Enabled / Disabled
	System Security Option	Pass	System / Setup
	PS/2 Mouse Function Control	Pass	Auto / Enabled
	Boot Up NumLock status	Pass	On / Off
Chipset Features Setup	Memory Hole At 15M-16M	Pass	Disabled / Enabled
	Data Integrity Mode	Pass	ECC / Parity / Disabled
	Onboard FDC Controller	Pass	Enabled / Disabled
	Onboard FDC Swap A & B	Pass	No Swap / Swap AB
	Onboard Serial Port 1	Pass	Disabled, 3F8HIRQ4, 2F8HIRQ3, 3E8HIRQ4, 2E8HIRQ10
	Onboard Serial Port 2	Pass	Disabled, 3F8HIRQ4, 2F8HIRQ3, 3E8HIRQ4, 2E8HIRQ10
	Onboard Parallel Port	Pass	Disabled, 378H/IRQ7, 278H/IRQ5, 3BCH/IRQ7
	Parallel Port Mode	Pass	ECP+EPP, EPP, ECP, Normal
	ECP DMA Select	Pass	1, 3, Disabled
	Onboard PCI IDE Enable	Pass	Both / Primary / Secondary / Disabled
PNP AND PCI SETUP	Slot IRQ	Pass	Auto / NA / Manual
	IRQ Used By ISA	Pass	No/ICU, Yes
	DMA Used By ISA	Pass	No/ICU, Yes

2.2 Boot Sequence Test

SCSI / IDE HDD Sequence Test					
Boot device.	SCSI Device	IDE Device	O.S. Environment	Status	Remark
IDE	ASUS PCI-AS300 Fujitsu M2952QAU	IBM DHEA-38451	Win95 V950B	Pass	
IDE(Zip)	ASUS PCI-AS300 Fujitsu M2952QAU	IBM DHEA-38451 Panasonic JU-811E01	Win98	Pass	
SCSI without ASPI8DOS.SYS	ASUS PCI-AS300 Fujitsu M2952QAU	IBM DHEA-38451	MS-DOS V6.22	Pass	
SCSI with ASPI8DOS.SYS	ASUS PCI-AS300 Fujitsu M2952QAU	IBM DHEA-38451	MS-DOS V6.22	Pass	
SCSI without ASPI8XX.SYS	ASUS PCI-SC875 Fujitsu M2952QAU	IBM DHEA-38451	MS-DOS V6.22	Pass	
SCSI with ASPI8XX.SYS	ASUS PCI-SC875 Fujitsu M2952QAU	IBM DHEA-38451	MS-DOS V6.22	Pass	

Boot Sequence Test				
Type	Peripheral Device	O.S. Environment	Status	Features Tested
A , C	IBM DHEA-38451	Win95 V950B	Pass	
C , A	IBM DHEA-38451	Win95 V950B	Pass	
A , CDROM , C	IBM DHEA-38451 ASUS CD-S340	NT WKS V5.0 Beta1	Pass	
CDROM , C , A	IBM DHEA-38451 ASUS CD-S340	NT WKS V5.0 Beta1	Pass	
D , A	IBM DHEA-38451 Seagate ST33232A	MS-DOS V6.22	Pass	
E , A	IBM DHEA-38451 Maxtor 91152D8 Quantum TX4000AT	NT WKS V4.0	Pass	
F , A	IBM DHEA-38451 Maxtor 91152D8 Quantum TX4000AT Seagate ST33232A	MS-DOS V6.22	Pass	
C Only	IBM DHEA-38451	Win95 V950B	Pass	
LS/ZIP , C	IBM DHEA-36480 O.R. FD-3120A	Win95 V950B	Pass	
	IBM DHEA-3120A Iomega Z100ATAPI	Win98	Pass	
LAN , A , C	3COM 3C905-TX	NetWare V3.12	Pass	
LAN , C , A	3COM 3C905-TX	NetWare V3.12	Pass	

2.3 Power Management Measurement

Power Management Test					
Type	Test Item	Peripheral Device	O.S. Environment	Status	Features Tested
Power Management	Disable	IBM DHEA-38451	Win95 V950B	Pass	
	User Define	IBM DHEA-38451	Win95 V950B	Pass	
	Min Saving	IBM DHEA-38451	Win95 V950B	Pass	
	Max Saving	IBM DHEA-38451	Win95 V950B	Pass	
PM Timers	HDD Power Down	IBM DHEA-38451	Win95 V950B	Pass	
	Doze Mode	IBM DHEA-38451	Win95 V950B	Pass	
	Standby Mode	IBM DHEA-38451	Win95 V950B	Pass	
	Suspend Mode	IBM DHEA-38451	Win95 V950B	Pass	
PWR Button < 4 Secs	Suspend	IBM DHEA-38451	Win95 V950B	Pass	
	Soft Off	WD AC23200	MS-DOS V6.22	Pass	
PWR Button > 4 Secs	Soft Off	WD AC23200	MS-DOS V6.22	Pass	
PWR Up On Modem Act	Enable	IBM DHEA-38451	Win95 V950B	Pass	
	Disable	IBM DHEA-38451	Win95 V950B	Pass	
Automatic Power Up	Disabled	IBM DHEA-38451	Win95 V950B	Pass	
	Everyday	IBM DHEA-38451	Win95 V950B	Pass	
	By Date	Seagate ST33232A	MS-DOS V6.22	Pass	
Wake on Lan	Enabled	Fujitsu MPB3032A	Win98 NT WKS V4.0	Pass	
	Disabled	Fujitsu MPB3032A	Win98 NT WKS V4.0	Pass	
Power LED	Normal Mode	IBM DHEA-38451	Win95 V950B	Pass	The power LED must not blink.
	Doze Mode	IBM DHEA-38451	Win95 V950B	Pass	The power LED must blink.
	Standby Mode	IBM DHEA-38451	Win95 V950B	Pass	The power LED must blink.
	Suspend Mode	IBM DHEA-38451	Win95 V950B	Pass	The power LED must blink.
Fan Monitor	Chassis Fan Speed	WD AC23200	CMOS	Pass	
	CPU Fan Speed	WD AC23200	CMOS	Pass	
	Power Fan Speed	WD AC23200	CMOS	Pass	

Power Management Test					
Type	Test Item	Peripheral Device	O.S. Environment	Status	Features Tested
Thermal Monitor	CPU Temperature	WD AC23200	CMOS	Pass	
	MB Temperature	WD AC23200	CMOS	Pass	
Voltage Monitor	VCORE Voltage	WD AC23200	CMOS	Pass	
	+3.3V Voltage	WD AC23200	CMOS	Pass	
	+5V Voltage	WD AC23200	CMOS	Pass	
	+12V Voltage	WD AC23200	CMOS	Pass	
	-12V Voltage	WD AC23200	CMOS	Pass	
Keyboard Power Up	Enabled	WD AC33232A	Win95 V950B	Pass	
	Disabled	WD AC33232A	Win95 V950B	Pass	

3. System Utility Test

System Utility						
Package Name	Version	Publisher	O.S. Environment	Status	Remark/Special Setting	
AFLASH Utility	V1.0	ASUSTeK	MS-DOS V6.22	Pass	Flash a new BIOS.	
ALIRTCSW	V1.0	ASUSTeK	MS-DOS V6.22	Pass	Power On/Off test.	
LDCM						
Package Name	Version	Publisher	O.S. Environment	Status	Remark/Special Setting	
LAN Desk Local Manager for WIN95	V3.3	Intel	Win98	Pass	Install LDCM from CD-ROM, and run the utilities to get the basic information of the local machine.	
LAN Desk Local Manager for WINNT	V3.3	Intel	NT WKS V4.0	Pass	Install LDCM from CD-ROM, and run the utilities to get the basic information of the local machine.	
LAN Desk Administrator for WIN95	V3.3	Intel	Win98	Pass	Install LDCM from CD-ROM, and run the utilities to get the basic information of the local machine and other workstation through the workgroup.	
LAN Desk Administrator for WINNT	V3.3	Intel	NT WKS V4.0	Pass	Install LDCM from CD-ROM, and run the utilities to get the basic information of the local machine and other workstation through the workgroup.	
BusMaster Driver						
Card Type	Primary IDE		Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S	H.D.D./CD-ROM (Mode/Speed)	M/S		
WIN95 Driver Version: M5229	Fujitsu MPB3032AT (DMA33)	M	Cyber 160D (16X)	M	Win95 V950B (Chinese-Simplified)	Pass
	Maxtor 88400D8 (DMA33)	S				
	Maxtor 91152D8 (DMA33)	M	NEC CDR-1900A (32X)	M	Win95 V950B (Japanese)	Pass
	Seagate ST36531A (DMA33)	M	IBM DCAA-34330 (4)	S	Win95 V950B (German)	Pass
	WD AC24300 (DMA33)	M	Philips PCA243CD (24X)	M	Win95 V950B (Chinese-Trad.I)	Pass
WD AC35100 (DMA33)	M	NEC CDR-1800A (24X)	M	Win95 V950B	Pass	
			ASUS CD-400S (40X)	M	Win95 V950B	Pass

BusMaster Driver						
Card Type	Primary IDE		Secondary IDE		O.S. Environment	Status
WINNT Driver Version: M5229	Maxtor 85250D6 (DMA33)	M	ASUS CD-S400 (40X)	M	NT WKS V4.0	Pass
	Maxtor 82560D3 (DMA33) Teac CD-524E (24X)	M S	None		NT Server V4.0	Pass
	Quantum ST3240AT (DMA33) IBM DHEA-38451 (DMA33)	M	Vuego CD624A (24X)	M	NT WKS V4.0 (Chinese-Trad.)	Pass
	WD AC35100 (DMA33)	M	Maxtor 84320D5 (DMA33) Sony CDU571 (16X)	M S	NT WKS V4.0	Pass
	Seagate ST52520A (4)	M	Hitachi CDR-8430 (32X)	M	NT Server V4.0 (Chinese-Trad.)	Pass

4. System Diagnostic & Certification Test

System Diagnostics					
Package Name	Version	Publisher	O.S. Environment	Status	Remark/Special Setting
Checkit	V5.0	Touchstone	Win95 V950B	Pass	Execute all Test item.
Professional Qaplus	V5.49	Diagsoft	MS-DOS V6.22	Pass	Execute all Test item.
Qaplus/FE	V5.51	Diagsoft	MS-DOS V6.22	Pass	Execute all Test item.
Qaplus/win	V7.1	Diagsoft	Win95 V950B	Pass	Execute all Test item.
System Certification					
Package Name	Version	Publisher	O.S. Environment	Status	Remark/Special Setting
Windows NT HCT	V7.6	Microsoft	Windows NT 4.0	Pass	Execute System Test.
OS/2 Warp CTK	V4.0	IBM	OS/2 Warp V4.0	Pass	Run Stress test, Keyboard Device Driver test, Format Utility test, Printer Device Driver test.
Solaris HCT	V3.19	Sunsoft	Solaris V2.6	Pass	Stress Tests: Disk, Floppy, System Memory, Keyboard, Mouse, CD-ROM, Network, Video.

5. Field (stress) Test

Test Type	Checkit V5.0				
Configuration	AMD K6-2/300 + 16MB(SDRAM 16MB) + 512KB(On-board UT) + On-board IDE + IBM DHEA-38451 + Seagate ST33232A + ASUS AGP-V264GT3 + Microsoft Serial Mouse Plug LoopBack				
Test Procedure	Running Burn-in Test Item.				
Result	Pass	Duration	16 Hours		
Test Type	QAPLUS/FE V5.51				
Configuration	AMD K6-2/300 + 32MB(SDRAM 16MB * 2) + 512KB(On-board UT) + On-board IDE + IBM DHEA-38451 + ASUS CD-S340 CD-ROM + ASUS AGP-V264GT3 + Microsoft IntelliMouse Plug LoopBack				
Test Procedure	Running Qaplus Diagnostic Modules Test. Test item including : System Board, Memory, Video, Floppy drive, Keyboard, Com port, LPT port.				
Result	Pass	Duration	40 Hours		

PART B. OPERATING SYSTEM ENVIRONMENT TEST

1. DOS / Windows Operating System Test

1.1 Software Compatibility Test

1.1.1 Operating System Compatibility

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
MS-DOS	V6.22	Microsoft	Pass	On-board IDE + Maxtor 82560D3 + Lite-on LTN-301 CD-ROM + ASUS AGP-V3000L
MS-DOS/V (Japanese)	V6.2	Microsoft	Pass	Adaptec AHA-1542CF + IBM DCAS-34330 + Toshiba XM-6201B CD-ROM + ASUS AGP-V3000
Microsoft Windows for Workgroup	V3.11	Microsoft	Pass	ASUS PCI-SC875 + WD WDE4360W + Sony CDU625 CD-ROM + ASUS AGP-V3000 + 3COM 3C595TX + Logitech First Mouse Super
Microsoft Windows (Chinese-Traditional)	V3.1	Microsoft	Pass	ASUS PCI-AS300 + Quantum HN4550SW + Panasonic CR-506-B CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super
Microsoft Windows (Chinese-Simplified)	V3.2	Microsoft	Pass	Adaptec AHA-2940AU + Seagate ST34572N + Teac CD-516S + ASUS AGP-V3000L + Logitech First Mouse Super
Microsoft Windows (Japanese)	V3.1	Microsoft	Pass	Adaptec AHA-1542CF + IBM DCAS-34330 + Toshiba XM-6201B CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super
PC-DOS	V7.0	IBM	Pass	On-board IDE + WD AC36400 + Goldstar CRD-8320B CD-ROM + ASUS AGP-V3000L

1.1.2 Application Software Compatibility

MS-DOS Utilities					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
EMM386.EXE	V6.22	Microsoft	MS-DOS V6.22	Pass	Add DEVICE=HIMEM.SYS & DEVICE=EMM386.EXE RAM to CONFIG.SYS.
HIMEM.SYS	V6.22	Microsoft	MS-DOS V6.22 WFWG V3.11	Pass	Add DEVICE=HIMEM.SYS & DOS=HIGH to CONFIG.SYS; Run windows.
KEYB	V6.22	Microsoft	MS-DOS V6.22	Pass	Use KEYB to swap keyboard codepage from US to GR and FR ... and keyin character, then change to US keyboard codepage again.
MS-DOS Utilities	V6.22	Microsoft	MS-DOS V6.22	Pass	Test MEMMAKER, DRVSPACE, DEFRAG, MSD ... etc.
RAMDRIVE.SYS	V3.07	Microsoft	MS-DOS V6.22	Pass	Create 2 MB RAM drive in extended memory; Copy, compare, delete files on virtual drives.
Utilities & Tools					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
EZ-SCSI	V4.00E	Adaptec	WFWG V3.11	Pass	Install ASPI drivers from FDD/HDD with corresponding Adaptec SCSI adapter in DOS/WIN environment & test functions.

1.2 Hardware Compatibility Test

IDE Controller							
Card Type	Primary IDE			Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S		H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	IBM DHEA-34330 (DMA33) Quantum SE2100AT (DMA33)	M S		Philips PCA243CD (24X)	M S	WFWG V3.11	Pass
	Maxtor 82560D3 (DMA33)	M S		Lite-on LTN-301 (32X)	M S	WFWG V3.11	Pass
	Maxtor 90288D2 (DMA33) BDC BCD24XM (24X)	M S		None	M S	WFWG V3.11	Pass
	Seagate ST36531A (DMA33) Pioneer DR-A04S (32X)	M S		Samsung VG33402A (DMA33) Fujitsu MPB3021AT (DMA33)	M S	WFWG V3.11	Pass
	WD AC35100 (DMA33)	M S		NEC CDR-1900A (32X)	M S	Win V3.1 (Chinese-Traditional)	Pass
	WD AC36400 (DMA33) Goldstar CRD-8320B (32X)	M S		Seagate ST32122A (DMA33)	M S	WFWG V3.11	Pass

SCSI Disk Controllers							
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status		
SCSI (ISA)	<i>Adaptec AHA-1542CF Rev.C (BIOS:V2.02)</i>	IBM DCAS-34330	Toshiba XM-6201B	Win V3.1 (Japanese)	Pass		
SCSI (PCI)	<i>ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)</i>	Quantum HN4550SW	Panasonic CR-506-B	Win V3.1 (Chinese-Traditional)	Pass		
	<i>ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)</i>	WD WDE4360W	Sony CDU625	WFWG V3.11	Pass		
	<i>Adaptec AHA-2940AU Rev.C (BIOS:V1.30)</i>	Seagate ST34572N	Teac CD-516S	Win V3.2 (Chinese-Simplified)	Pass		
Graphic Adapters							
Card Type	Card Model	Peripheral Device	O.S. Environment	Status	Remark		
VGA (PCI)	<i>ASUS AGP-V3000 Rev. 1.02 (BIOS:1.51B)</i>	ASUS PCI-SC875 WD WDE4360W	WFWG V3.11	Pass	STG3000		
	<i>ASUS AGP-V385GX2 Rev. 1.00 (BIOS:2.16.13)</i>	On-board IDE WD AC35100	Win V3.1 (Chinese-Traditional)	Pass	S3 ViRGE/GX2		
Ethernet Adapters							
Card Type	Card Model	Configurations: IRQ Port Addr. DMA			O.S. Environment	Status	Remark
Ethernet (ISA)	<i>Novell NE2000Plus-3</i>	3	340		WFWG V3.11	Pass	
	<i>SMC 8013WC</i>	10	300		WFWG V3.11	Pass	
Ethernet (PCI)	<i>3COM 3C900 Rev.</i>	Auto	Auto		WFWG V3.11	Pass	
	<i>Accton EN1208 Rev.01A</i>	Auto	Auto		WFWG V3.11	Pass	
	<i>Compaq NETFLEX-3/P Rev.A</i>	Auto	Auto		WFWG V3.11	Pass	
	<i>SMC 8432BT Rev.A</i>	Auto	Auto		WFWG V3.11	Pass	
	<i>Thomas-Conrad TC5048 Rev.A</i>	Auto	Auto		WFWG V3.11	Pass	
100BaseTx	<i>3COM 3C595TX Rev.B</i>	Auto	Auto		WFWG V3.11	Pass	
	<i>3COM 3C905TX Rev.B</i>	Auto	Auto		WFWG V3.11	Pass	
	<i>Intel PILA8465</i>	Auto	Auto		WFWG V3.11	Pass	
	<i>SMC 9332DST</i>	Auto	Auto		WFWG V3.11	Pass	
Modem Devices							
Type	Model	O.S. Environment			Application	Status	Remark / Special Setting
Modems (Internal)	<i>Compeq Netelligent 56K</i>	Win V3.1 (Chinese-Traditional)			Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM2
Modems (External)	<i>GVC SF-1156V/R</i>	Win V3.1 (Chinese-Traditional)			Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM2
	<i>Bullet E56 RVP</i>	Win V3.1 (Chinese-Traditional)			Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM2

1.3 Field (stress) Test

Test Type	Windows for Workgroup Integrate network access test		
Configuration	AMD K6/300 + 128MB(SDRAM 128MB) + 512KB(On-board UT) + ASUS PCI-SC875 + WD WDE4360W + Sony CDU625 CD-ROM + ASUS AGP-V3000 + 3COM 3C595TX + Logitech First Mouse Super 2 * Peers (Windows for Workgroup V3.11)		
Test Procedure	Run Multitasking in this PC and access other workstation resource from network environment.		
Result	Pass	Duration	16 Hours
Test Type	Windows for Workgroup Integrate network access test		
Configuration	AMD K6/300 + 128MB(SDRAM 128MB) + 512KB(On-board UT) + On-board IDE + IBM DHEA-34330 + Quantum SE2100AT + Philips PCA243CD CD-ROM + ASUS AGP-V3000L + Accton EN1208 + Logitech First Mouse Super 2 * Peers (Windows for Workgroup V3.11)		
Test Procedure	Run Multitasking in this PC and access other workstation resource from network environment.		
Result	Pass	Duration	36 Hours

2. Microsoft Windows 95/98 Operating System Test

2.1 Software Compatibility Test

2.1.1 Operating System Compatibility

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
Windows 95 OSR2.1	V950B	Microsoft	Pass	AdvanSys ABP-940U + Micropolis 4341NS + Plextor PX-32TSi CD-ROM + ASUS PCI-V264VT2 + Intel P1A8465 + Intel PCL8205 + Microsoft Serial Mouse
Windows 95 OSR2.1 (Chinese-Traditional)	V950B	Microsoft	Pass	Adaptec AHA-1542CP + Micropolis 4345AV + Plextor PX-20TSi CD-ROM + ASUS AGP-V3000 + Accton EN1207 + Cnet 288PnP + Logitech Serial Mouse
Windows 95 OSR2.1 (Chinese-Simplified)	V950B	Microsoft	Pass	On-board IDE + Fujitsu MPB3032AT + Maxtor 88400D8 + Cyber 160D CD-ROM + ASUS AGP-V3000 + Genius MouseOne
Windows 95 OSR2.1 (German)	V950B	Microsoft	Pass	Buslogic BT932 + Seagate ST34572N + NEC CDR-1610A CD-ROM + ASUS PCI-V264VT2 + D-Link DE220PCT + Microsoft Serial Mouse
Windows 95 OSR2.5 (Japanese)	V950B	Microsoft	Pass	Promise SCSIMAX + Quantum VK5440SW + Pioneer DR-U24X CD-ROM + ASUS PCI-V264VT + HP J2973A + Microsoft serial mouse
Windows 98	V4.10.1998	Microsoft	Pass	On-board IDE + Samsung VG33402A + Mitsumi CRMC-F320S CD-ROM + ASUS AGP-V264GT3 + Microsoft PS/2 Mouse
Windows 98 (Chinese-Traditional)	V4.10.1998	Microsoft	Pass	Buslogic BT950 + Seagate ST32155W + Teac CD-532S CD-ROM + ASUS PCI-V264VT + IBM Auto LANStreamer PCI + Microsoft serial mouse

2.1.2 Application Software Compatibility

Graphics / Image Processing / Multimedia Applications					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
Corel Draw for windows	V8.0	Corel	Win95 V950B	Pass	Using CorelPRESENT!, Corel DRAW!, draw / show demo picture.
Encarta 98	V98	Microsoft	Win95 V950B	Pass	Install from CD-ROM, run and search data from database.
Video Director	V2.5	Gold Disk	Win98	Pass	Install from CD-ROM, and using capture and image edition function.
Visio for windows	V4.0	VISIO	Win98	Pass	Install from CD-ROM, open files, edit & save files.
Page Maker	V6.5C	Adobe	Win95 V950B (Chinese-Traditional)	Pass	Install, open sample file and edit it.
Photoshop	V5.0	Adobe	Win95 V950B	Pass	Install, open sample file and edit it.
MetaTools Kais Power GOO	V1.0	MetaTools	Win95 V950B	Pass	Install, paint on sample photo in Goo Room and Fusion Room.
Database Applications					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
Delphi Desktop	V3.0	Borland	Win95 V950B	Pass	Load a program file, Compile, Link, and Run this program.
Visual FoxPro	V5.0	Microsoft	Win95 V950B	Pass	Load a program file, Compile, Link, and Run this program.
Utilities & Tools					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
ET2000 for Windows 95	V5.1	ETEN	Win95 V950B (Chinese-Traditional)	Pass	Install from network and execute its utilities.
Norton Antivirus	V4.0	Symantec	Win95 V950B	Pass	Install and execute virus scan.
Norton Antivirus	V4.0	Symantec	Win95 V950B (Chinese-Traditional)	Pass	Install and execute virus scan.
Norton Utility for Windows 95	V2.0	Symantec	Win95 V950B (Chinese-Traditional)	Pass	Execute its utility such as: FileFind, Norton Disk Doctor, System Information.
QEMM 97	V9.0	Quarterdeck	Win95 V950B	Pass	Install, use Optimize to optimize memory, test Stealth function(Include ST:M & ST:F test).
WinZip	V6.2	NicoMak	Win98	Pass	Install from network computer, search, unzip files.
Integrate Applications / Project Management					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
ACB Graphics Suite	V6.0	Micrografx	Win98	Pass	Install from CD-ROM, and open sample files, edit, modify and save.
BookSelf	V98	Microsoft	Win98	Pass	Install from CD-ROM, run and search data from its database.

Integrate Applications / Project Management					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
Corel WordPerfect	V8.0	Corel	Win98	Pass	Install from CD-ROM and execute new project, Presentation 8, Quattro Pro 8, WordPerfect 8, Address Book 8, Desktop Application Director 8, Database Engine 4.0 etc. Open/create new, modify and save/quit. Function test.
Lotus Smart Suite 97	V1.0	Lotus	Win98	Pass	Install from CD-ROM and execute Freelance, Organizer, Word Pro 96, Approach, Lotus 1-2-3. Access application sample files open and save function.
Lotus Smart Suite 97 (Chinese-Traditional)	V1.0	Lotus	Win98 (Chinese-Traditional)	Pass	Install from CD-ROM and execute Freelance, Organizer, Word Pro 96, Approach, Lotus 1-2-3. Access application sample files open and save function.
Office 97	Professional Edition	Microsoft	Win98	Pass	Install from CD-ROM and execute Powerpoint, Excel, Schedule Plus, Word, Access application sample files open and save function.
Office 97 (Chinese-Traditional)	Professional Edition	Microsoft	Win98 (Chinese-Traditional)	Pass	Install from CD-ROM and execute Powerpoint, Excel, Schedule Plus, Word, Access application sample files open and save function.
Project 98	V1.0	Microsoft	Win98	Pass	Load a sample file, make organize project.
Windows95 PLUS!	V1.0	Microsoft	Win95 V950B	Pass	Install from CD-ROM, and using Screen Saver, Themes change, Mouse Pointer and Events sound change function.
WinHelp Office	V1.0	Blue Sky	Win98 (Chinese-Traditional)	Pass	Install applications suite, Load a Help file, Compiler a electronic help file.
Works	V4.0	Microsoft	Win95 V950B	Pass	Open database, spreadsheet, word processing file and edit.
Works (Chinese-Traditional)	V4.0	Microsoft	Win98 (Chinese-Traditional)	Pass	Open database, spreadsheet, word processing file and edit.
Programming Language / Compiler					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
Visual Basic	V5.0	Microsoft	Win95 V950B	Pass	Load a program file, Compile, Link, and Run this program.
Visual C++	V5.0	Microsoft	Win95 V950B	Pass	Load a program file, Compile, Link, and Run this program.
Visual J++	V5.0	Microsoft	Win95 V950B	Pass	Load a program file, Compile, Link, and Run this program.
CAD & DTP / Mathematics & Statistics					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
3D Studio MAX	R2	Autodesk	Win95 V950B	Pass	Install from CD-ROM, open existing 3D Studio MAX scene, play animation, create object, edit & render the scene.
AutoCAD for Windows95	R14	Autodesk	Win95 V950B	Pass	Install from CD-ROM, open existing 3D scene, play animation, create object, edit & render the scene.
AutoCAD for Windows95 (Chinese-Traditional)	R14	Autodesk	Win95 V950B (Chinese-Traditional)	Pass	Install from CD-ROM, open existing 3D scene, play animation, create object, edit & render the scene.
Extreme 3D	V1.0	Micromedia	Win95 V950B	Pass	Install from CD-ROM, display demo film & pictures, open scene, edit and set Render, toggle Animation.
Communication / Remote Control / E-Mail					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
Windows 95 Fax	V950	Microsoft	Win95 V950B	Pass	Send / Receive FAX Document.
HTML Editor					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
FrontPage 98	V98	Microsoft	Win95 V950B	Pass	Install from CD-ROM, and execute Editor, Explorer, TCP_IP Test, Administrator ..etc.

Games					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
The Fallen Lords	95 Edition	Bungie	Win95 V950B	Pass	Install from game CD, and execute games, running story demonstration, play game, quit, and un-install
Final Fantasy VII	95 Edition	Squaresoft	Win95 V950B	Pass	Install from game CD, and execute games, running story demonstration, play game, quit, and un-install
Motor Racer	95 Edition	Electronic ART	Win95 V950B	Pass	Install from game CD, and execute games, running story demonstration, play game, quit, and un-install

2.2 Hardware Compatibility Test

IDE Controller						
Card Type	Primary IDE		Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S	H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	Fujitsu MPB3032AT (DMA33) Maxtor 88400D8 (DMA33)	M S	Cyber 160D (16X)	M	Win95 V950B (Chinese-Simplified)	Pass
	Fujitsu MPB3043AT (DMA33)	M	Pioneer DR-A04S (32X)	M	Win98	Pass
	Fujitsu MPB3052AT (DMA33)	M	Pioneer DR-A04S (32X)	M	Win95 V950B	Pass
	Fujitsu MPB3064AT (DMA33) Philips PCA323CD (32X)	M S	None		Win95 V950B (Japanese)	Pass
	IBM DHEA-38451 (DMA33)	M	NEC CDR-1900A (32X) IBM DCAA-34330 (4)	M S	Win95 V950B (German)	Pass
	Maxtor 83201A6 (4) AOpen CD940E (40X)	M S	None		Win98	Pass
	Maxtor 90288D2 (DMA33)	M	Hitachi CDR-8430 (32X)	M	Win95 V950B	Pass
	Maxtor 90432D3 (DMA33) Aopen CD-936E (36X)	M S	Seagate ST36450A (4)	M	Win98 (Chinese-Traditional)	Pass
	Maxtor 91152D8 (DMA33)	M	NEC CDR-1900A (32X) IBM DCAA-34330 (4)	M S	Win95 V950B (Japanese)	Pass
	Quantum SE2100AT (DMA33)	M	TeacCD-532E (32X)	M	Win95 V950B	Pass
	Quantum SE4300AT (DMA33)	M	ASUS CD-S400 (40X)	M	Win95 V950B	Pass
	Quantum ST3240AT (DMA33)	M	Liteon LTN-301 (32X)	M	Win95 V950B	Pass
	Quantum TX4000AT (DMA33) Sony CDU711 (32X)	M S	None		Win98	Pass
	Quantum TX12000AT (DMA33)	M	IBM DCAA-33610 (4) Sony CDU611 (24X)	M S	Win98	Pass
	Samsung VG33402A (DMA33)	M	Mitsumi CRMC-F320S (32X)	M	Win98	Pass
	Seagate ST33221A (DMA33)	M	BTC BCD24X (24X)	M	Win95 V950B (Chinese-Traditional)	Pass
	Seagate ST33232A (DMA33)	M	Maxtor 85120AB (4) Goldstar CRD-8320 (32X)	M S	Win98	Pass
	Seagate ST34520A (DMA33)	M	ASUS CD-S400 (40X)	M	Win95 V950B	Pass
	Seagate ST36450A (4)	M	Panasonic CR-586-B (32X)	M	Win95 V950B (Chinese-Simplified)	Pass
	Seagate ST36531A (DMA33)	M	Philips PCA243CD (24X)	M	Win95 V950B (German)	Pass
	Seagate ST39140A (DMA33)	M	Pioneer DR-U24X (24X)	M	Win98 (Chinese-Traditional)	Pass
	WD AC24300 (DMA33)	M	NEC CDR-1800A (24X)	M	Win95 V950B (Chinese-Traditional)	Pass
	WD AC35100 (DMA33)	M	ASUS CD-S400 (40X)	M	Win95 V950B	Pass
	WD AC36400 (DMA33)	M	ASUS CD-S340 (34X)	M	Win95 V950B	Pass

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (ISA)	<i>Adaptec AHA-1530P Rev.C (BIOS:V1.03)</i>	NEC DSE2550S	Sony CDU625	Win98 (Chinese-Traditional)	Pass
	<i>Adaptec AHA-1542CF Rev.C (BIOS:V2.02)</i>	Seagate ST19101N	NEC CDR-502	Win95 V950B (Japanese)	Pass
	<i>Adaptec AHA-1542CP Rev.B (BIOS:V1.02)</i>	Micropolis 4345AV	Plextor PX-20TSi	Win95 V950B (Chinese-Traditional)	Pass
SCSI (PCI)	<i>ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)</i>	IBM DGHS-950W	Pioneer DR-U24X	Win95 V950B (Japanese)	Pass
	<i>ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)</i>	IBM DCAS-34330W	NEC CDR-1810A	Win95 V950B (Chinese-Traditional)	Pass
	<i>Adaptec AHA-2940AU Rev.C (BIOS:V1.30)</i>	Quantum HN4550S	NEC CDR-502	Win98	Pass
	<i>Adaptec AHA-2940UW Rev.C (BIOS:V1.25)</i>	Seagate ST32155W	NEC CDR-1610A	Win98 (Chinese-Traditional)	Pass
	<i>Adaptec AHA-2940U2W Rev.A (BIOS:V2.00.0)</i>	Seagate ST39173LW	Pioneer DR-U24X	Win98	Pass
	<i>Adaptec AHA-3940UW Rev.A (BIOS:V1.25)</i>	Quantum HN2275SW	Panasonic CR-508-B	Win98	Pass
	<i>AdvanSys ABP-930UA Rev.A (BIOS:V2.6L)</i>	Seagate ST32550N	Pioneer DR-U06S	Win98	Pass
	<i>AdvanSys ABP-940U Rev.A (BIOS:V2.6L)</i>	Micropolis 4341NS	Plextor PX-32TSi	Win95 V950B	Pass
	<i>Buslogic BT930 Rev.A (BIOS:V1.41d)</i>	Quantum TM2110S	Plextor PX-20TSi	Win95 V950B	Pass
	<i>Buslogic BT932 Rev.A (BIOS:V1.41d)</i>	Seagate ST34572N	NEC CDR-1610A	Win95 V950B (German)	Pass
	<i>Buslogic BT948C Rev.Ab (BIOS:4.96F)</i>	Fujitsu M2952SYU	NEC CDR-1610A	Win98	Pass
		Quantum HN9100S	NEC CDR-502	Win98	Pass
	<i>Buslogic BT950 Rev.AC (BIOS:V1.41j)</i>	Seagate ST32155W	Teac CD-532S	Win98 (Chinese-Traditional)	Pass
	<i>Diamond Fire Port 40 Rev.C (BIOS:4.05.00.00f)</i>	IBM DDFS-34560W	Pioneer DR-U06S	Win98	Pass
	<i>DPT PM2144UW (BIOS:V003.DS)</i>	Seagate ST34371W	Toshiba XM-6201B	Win98	Pass
	<i>DTC DTCT-3194UW Rev.2A (BIOS:V1.10)</i>	IBM DGHS-950W	Pioneer DR-U06S	Win95 V950B (Chinese-Traditional)	Pass
	<i>Initio INI-9100U Rev.D (BIOS:V1.10)</i>	Seagate ST34501N	Pioneer DR-U06S	Win95 V950B (Chinese-Simplified)	Pass
	<i>Initio INI-9100UW Rev.D (BIOS:V1.10)</i>	Quantum HN2275SW	Plextor PX-20TSi	Win95 V950B	Pass
	<i>Promise SC SIMAX Rev.B (BIOS:V3.07)</i>	Quantum VK4550SW	Pioneer DR-U24X	Win95 V950B (Japanese)	Pass
	<i>Promise SCSI ULTRA Rev.B (BIOS:V4.03)</i>	IBM DCAS-34330W	NEC CDR-1810A	Win95 V950B	Pass
RAID Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
RAID Controller	<i>ASUS PCI-DA2100 Rev.3A (BIOS:V1.14A)</i>	Quantum HN2275SW Seagate ST32155W	On-board IDE ASUS CD-S400	Win95 V950B (Chinese-Traditional)	Pass
	<i>DPT PM3334UW (BIOS:V003.E7)</i>	Quantum PX9100LW Quantum HN2275SW	On-board IDE ASUS CD-S400	Win98	Pass
Graphic Adapters					
Card Type	Card Model	Peripheral Device	O.S. Environment	Status	Remark
VGA (PCI)	<i>ASUS 3DP-V264GT/Pro Rev. 1.01 (BIOS:V3.043)</i>	ASUS PCI-SC875 IBM DCAS-34330W NEC CDR-1810A	Win95 V950B (Chinese-Traditional)	Pass	ATI 3D RAGE II + DVD
	<i>ASUS 3DP-V375DX Rev. 1.11 (BIOS:V1.01.03a)</i>	On-board IDE IBM DHEA-36480 Teac CD532E	Win95 V950B	Pass	S3 ViRGE/DX
	<i>ASUS 3DP-V3000 Rev. 1.02 (BIOS:V1.51B)</i>	Adaptec AHA-3940UW Quantum HN2275SW Panasonic CR-508-B	Win98	Pass	RIVA 128

Graphic Adapters					
Card Type	Card Model	Peripheral Device	O.S. Environment	Status	Remark
VGA (PCI)	Matrox MGA MYST/4+ Rev. A (BIOS: V1.4)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	Matrox 64-Bit Graphics
	Diamond FireGL 1000pro Rev. D (BIOS: V1.26)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	3Dlabs Permedia 2
	Diamond Stealth II S220 Rev. A (BIOS: V1.31)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	Rendition V2100
	ELSA Victory ERAZOR Rev. A (BIOS: V1.47.01)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	RIVA 128
	Creative Graphics Blaster Exxtreme Rev. CT6610 (BIOS: V1.34.2)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	3Dlabs Permedia 2
	Leadtek WinFast 3D L2200 Rev. B (BIOS: V04.01.16)	On-board IDE Quantum TX4000AT Pioneer DR-A04S	Win98	Pass	3Dlabs Permedia
VGA (AGP)	ASUS AGP-V3000 Rev. 1.04 (BIOS: V1.51B)	On-board IDE Maxtor 85250D6 ASUS CD-S400	Win98	Pass	RIVA 128
	ASUS AGP-V264GT3 Rev. 1.02 (BIOS: V3.071)	On-board IDE Quantum SE2100AT Teac CD-532E	Win95 V950B	Pass	ATI 3D RAGE PRO AGP 2X
	ATI XPERT 98 Rev. A (BIOS: V113-40214-100)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	ATI 3D RAGE PRO AGP 2X
	Diamond FireGL 1000pro Rev. D (BIOS: V1.26)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	3Dlabs Permedia 2
	Diamond Viper V330 Rev. D (BIOS: V1.49)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	RIVA 128
	Gigabyte GA-60X 3DAGP Rev. 2 (BIOS: V1.28)	On-board IDE Fujitsu MPB3043AT Pioneer DU-A04S	Win98 (Chinese-Traditional)	Pass	3Dlabs Permedia 2
	Leadtek 3D L2300 Rev. B (BIOS: V1.35)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	3Dlabs Permedia 2
	Matrox MGA-MIL2P/4+ AGP Rev. A (BIOS: V1.01)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	Matrox 64-Bit Graphics
	Matrox Productive G100 Rev. A (BIOS: V1.1)	On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	MGA-G100A
	Number Nine 3D Revolution 3D Rev. 1 (BIOS: V3.03.03)	On-board IDE Seagate ST33221A Creative DVD2240E	Win95 V950B	Pass	Number Nine Ticket To Ride
	ELSA Gloria Synergy Rev. A (BIOS: V7.02.01)	On-board IDE IBM DHEA-36480 Teac CD532E	Win95 V950B	Pass	3Dlabs Permedia 2
	ELITEGroup 3D Vision 985 AGP Rev. 1.0 (BIOS: 10/29/97)	On-board IDE Fujitsu MPB3052AT Pioneer DU-A04S	Win95 V950B	Pass	Trident 3D/Image 9850
	3D Accelerator	ORCHID Righteous 3D Rev. C	On-board IDE Quantum SE2100AT Teac CD-532E	Win95 V950B	Pass
Creative Voodoo2		On-board IDE Quantum SE2100AT Teac CD-532E	Win95 V950B	Pass	3Dfx Interactive Voodoo2 Graphics
Diamond Monster 3D Rev. D		On-board IDE Quantum SE2100AT Teac CD-532E	Win95 V950B	Pass	3Dfx Interactive Voodoo2 Graphics
Multimedia Kit					

Card Type	Card Model	Peripheral Device	O.S. Environment	Status	
Sound Card (ISA)	ASUS I-A16C Rev.1.2	Promise SCSIULTRA IBM DCAS-34330W NEC CDR-1810A	Win95 V950B	Pass	Creative ViBRA16C
	ACER DCS S711 Sound Image	On-board IDE WD AC36400 Panasonic CR-586-B	Win95 V950B (Chinese-Traditional)	Pass	ESS1869
	Creative Sound Blaster AWE64 PnP	Adaptec AHA-3940UW Quantum HN2275SW Panasonic CR-508-B	Win98	Pass	
Sound Card (PCI)	Creative Sound Blaster PCI 64	ASUS PCI-SC875 IBM DCAS-34330W NEC CDR-1810A	Win95 V950B (Chinese-Traditional)	Pass	
	On-board ESS Solo-1	On-board IDE Fujitsu MPB3043AT Pioneer DR-A04S	Win98 (Chinese-Traditional)	Pass	
		On-board IDE IBM DHEA-36480 Teac CD-532E	Win95 V950B	Pass	
		On-board IDE Maxtor 90288D2 Hitachi CDR-8430	Win95 V950B	Pass	
		On-board IDE Maxtor 85250D6 ASUS CD-S400	Win98	Pass	
MPEG-2 Player	Creative PC-DVD Encore Dxr2	On-board IDE Seagate ST33221A Creative DVD2240E	Win98	Pass	
	LuxSonor LS220	On-board IDE Quantum SE2100AT Hitachi GD2000	Win95 V950B	Pass	

Multimedia Kit

Card Type	Card Model	Peripheral Device	O.S. Environment	Status	
TV Cards	miroMEDIA PCTV	On-board IDE Quantum SE2100AT Creative DVD2240E	Win95 V950B	Pass	
	Leadtek WinView 601	On-board IDE Quantum SE2100AT Creative DVD2240E	Win95 V950B	Pass	
Multi-media Set	Leadtek WinFast 3D S800	On-board IDE WD AC36400 ASUS CD-S400	Win95 V950B	Pass	

Ethernet Adapters

Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port	Addr. DMA			
Ethernet (ISA)	3COM 3C509B-TP (Plug and Play)	5	360		Win98 (Chinese-Traditional)	Pass	
	Accton EN166X Rev.02 (Plug and Play)	Auto	Auto		Win95 V950B (Chinese-Simplified)	Pass	
	Cnet 288PnP Rev.A (Plug and Play)	Auto	Auto		Win95 V950B (Chinese-Traditional)	Pass	
	Cnet 888E Rev.1.4	3	300		Win98 (Chinese-Traditional)	Pass	
	D-Link DE220PCT	Auto	Auto		Win95 V950B (German)	Pass	
	Intel PCLA8205	Auto	Auto		Win95 V950B	Pass	
	Novell NE2000Plus-3	5	300		Win95 V950B (Japanese)	Pass	
	SMC 8013WC	10	300		Win98	Pass	

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port	Addr. DMA			
Ethernet (PCI)	ASUS PCI-DEC10-TB+ Rev.B2	Auto	Auto		Win98	Pass	
	3COM 3C590C Rev.14	Auto	Auto		Win95 V950B	Pass	
	3COM 3C900C	Auto	Auto		Win98	Pass	
	Accton EN1203 Rev.01C	Auto	Auto		Win95 V950B	Pass	
	Accton EN1208 Rev.01A	Auto	Auto		Win98	Pass	
	Compaq NETFLEX-3/P Rev.A	Auto	Auto		Win98	Pass	
	Cogent EM960	Auto	Auto		Win98	Pass	
	Digital DE450AC Rev.A01	Auto	Auto		Win95 V950B (Chinese-Simplified)	Pass	
	HP J2973A	Auto	Auto		Win95 V950B	Pass	
	IBM Ethernet PCI	Auto	Auto		Win98	Pass	
	Intel PILA840X	Auto	Auto		Win95 V950B	Pass	
	Proteon P1670-EA	Auto	Auto		Win95 V950B	Pass	
SMC 8432BT Rev.A	Auto	Auto		Win98	Pass		
100BaseTx	ASUS PCI-DEC100TX+ Rev.C6	Auto	Auto		Win98	Pass	
	ASUS PCI-L101	Auto	Auto		Win98	Pass	
	3Com 3C595TX Rev.B	Auto	Auto		Win98	Pass	
	Accton EN1207 Rev.01	Auto	Auto		Win98	Pass	
	Cnet CN100TX	Auto	Auto		Win98	Pass	
	Cogent EM110TX	Auto	Auto		Win95 V950B	Pass	
	Digital DE500XA	Auto	Auto		Win98	Pass	
	HP J3171A	Auto	Auto		Win98	Pass	
	Intel PILA8465	Auto	Auto		Win95 V950B	Pass	
	Intel PILA8465B	Auto	Auto		Win98	Pass	
	SMC 9332DST	Auto	Auto		Win98	Pass	
	Intel SB82558B	Auto	Auto		Win95 V950B (Japanese)	Pass	
Token-Ring Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port	Addr. DMA			
Token-Ring (ISA)	3COM TokenLink Velocity ISA 16/4 Rev.A(Plug and Play)	Auto	Auto		Win95 V950B (Chinese-Traditional)	Pass	
	D-Link DT-220P Rev.B1	Auto	Auto		Win95 V950B (Chinese-Traditional)	Pass	
	IBM Auto 16/4 Adapter (Plug and Play)	Auto	Auto		Win95 V950B (Chinese-Traditional)	Pass	
	Intel PCLA815X (Plug and Play)	Auto	Auto		Win95 V950B (Chinese-Traditional)	Pass	
	Olicom OC-3118 Rev.3 (Plug and Play)	Auto	Auto		Win95 V950B (Chinese-Traditional)	Pass	

Token-Ring Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port Addr.	DMA			
Token-Ring (ISA)	<i>Proteon P1392Plus Rev.J</i>	5	A20	5	Win95 V950B (Chinese-Traditional)	Pass	
Token-Ring (PCI)	<i>3COM TokenLink Velocity XL PCI Rev.A</i>	Auto	Auto		Win95 V950B (Chinese-Traditional)	Pass	
	<i>Compag Netelligent 4/16 TR PCI Rev.A</i>	Auto	Auto		Win98	Pass	
	<i>IBM AUTO LANStreamer PCI</i>	Auto	Auto		Win98 (Chinese-Traditional)	Pass	
	<i>Olicom OC-3870 Rev.4</i>	Auto	Auto		Win95 V950B (Chinese-Traditional)	Pass	
	<i>Proteon P1690 Rev.B</i>	Auto	Auto		Win98	Pass	
Modem Devices							
Type	Model	O.S. Environment		Application	Status	Remark / Special Setting	
Modems (Internal)	<i>Compeq Netelligent 56K</i>	Win98		Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM3	
Modems (External)	<i>ACER Modem 56 AME-RT100</i>	Win98		Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM2	
	<i>E-Tech E56KRVP</i>	Win95 V950B		Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM1	
	<i>GVC SF-1156V/R</i>	Win95 V950B		Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM1	
	<i>USRobotics 56K Voice Faxmodem(USB)</i>	Win98		Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM1	
	<i>USRobotics 56K Sportster</i>	Win95 V950B (Chinese-Traditional)		Dial up Internet, Netscape Upload / Download files	Pass	56,000 BPS COM2	
ISDN Devices							
Type	Model	O.S. Environment		Application	Status	Remark	
ISDN (External)	<i>ZyXEL Elite 2864I</i>	Win98 (Chinese-Traditional)		Dial up Internet, Netscape Upload / Download Files	Pass	64,000 BPS	
	<i>ZyXEL ISDN Terminal Adapter Omni TA128</i>	Win98 (Chinese-Traditional)		Super Terminal, BBS Upload / Download Files	Pass	64,000 BPS	
LS-120 Devices							
Type	Model	O.S. Environment		Status	Remark / Special Setting		
IDE	<i>O.R. Technology FD-3120A (LS-120)</i>	Win98		Pass			
M.O. Devices							
Type	Model	O.S. Environment		Status	Remark / Special Setting		
SCSI	<i>Fujitsu Dyna M2513S2B</i>	Win95 V950B (Japanese)		Pass			
	<i>Fujitsu M2513A6</i>	Win95 V950B (Japanese)		Pass			
	<i>Mitsubishi MCA640</i>	Win95 V950B (Japanese)		Pass			
IDE	<i>Fujitsu M2541BE02</i>	Win98		Pass			
Printer Devices							
Type	Model	O.S. Environment		Status	Remark / Special Setting		
Parallel	<i>HP LaserJet 5L</i>	Win95 V950B Win98		Pass			
Removable HDD Devices							
Type	Model	O.S. Environment		Status	Remark / Special Setting		
SCSI	<i>Data Drive Technology PS-750</i>	Win98 (Chinese-Traditional)		Pass			
	<i>lomega V1000S JAZ</i>	Win98 (Chinese-Traditional)		Pass			
	<i>lomega V1000Si JAZ</i>	Win98 (Chinese-Traditional)		Pass			

Tape Devices				
Type	Model	O.S. Environment	Status	Remark / Special Setting
SCSI	Seagate DAT 02779-XXX	Win98	Pass	
	Seagate STT8000N	Win98	Pass	
ZIP Devices				
Type	Model	O.S. Environment	Status	Remark / Special Setting
SCSI	lomega Z100S2	Win95 V950B	Pass	
IDE	lomega Z100 IDE	Win95 V950B (Chinese-Traditional)	Pass	
	lomega Z100ATAPI	Win95 V950B	Pass	
	Panasonic JU-811E01	Win98	Pass	
CD-R/CD-RW				
Type	Model	O.S. Environment	Status	Remark / Special Setting
SCSI	Yamaha CRW-4260T (CD-RW)	Win98	Pass	
IDE	Sony CDU928E-B (CD-R)	Win95 V950B (Chinese-Traditional)	Pass	
	Ricoh MP6200A (CD-RW)	Win95 V950B	Pass	
	Yamaha CRW-4001t-NB (CD-RW)	Win98	Pass	

2.3 Field (stress) Test

Test Type	Windows 95 V950B (German) network access test		
Configuration	AMD K6-2/300 + 64MB(SDRAM 64MB) + 512KB(On-board UT) + Buslogic BT932 + Seagate ST34572N + NEC CDR-1610A CD-ROM + ASUS PCI-V264VT2 + D-Link DE220PCT + Microsoft Serial Mouse 1 * Peer (Win95 V950B(German)) 1 * Server (NT Server V4.0)		
Test Procedure	Run Multitasking on local PC and access remote workstation resource.		
Result	Pass	Duration	61 Hours
Test Type	Windows 98 network access test		
Configuration	Cyril MII-300 + 128MB(SDRAM 128MB) + 512KB(On-board UMC) + On-board IDE + Fujitsu MPB3043AT + Pioneer DR-A04S CD-ROM + ASUS AGP-V264GT3 + Genius MouseOne 1 * Peer (Win98)		
Test Procedure	Run Multitasking on local PC and access remote workstation resource.		
Result	Pass	Duration	12 Hours
Test Type	Windows 98 HCT stress test		
Configuration	AMD K6-2/300 + 64MB(SDRAM 32MB * 2) + 512KB(On-board UT) + On-board IDE + Maxtor 85250D6 + ASUS CD-S400 CD-ROM + ASUS AGP-V3000 + Logitech MouseMan+ Mouse 1 * Peer(Win 98)		
Test Procedure	Run HCT V7.6 stress test.		
Result	Pass	Duration	5 Hours

3. Microsoft Windows NT Operating System Test

3.1 Software Compatibility Test

3.1.1 Operating System Compatibility

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
<i>Windows NT Workstation</i>	V3.51	Microsoft	Pass	DPT PM2144UW + Quantum PX9100LW + Plextor PX-20TSi CD-ROM + ASUS AGP-V3000 + Olicom OC3118 + Logitech First Mouse Super
<i>Windows NT Workstation (Japanese)</i>	V3.51	Microsoft	Pass	On-board IDE + Maxtor 86480D6 + BTC BCD24X CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super
<i>Windows NT Server</i>	V3.51	Microsoft	Pass	Buslogic BT930 + Fujitsu M2952SYU + NEC CDR-1610 CD-ROM + ELSA Gloria Synergy + Olicom OC3118 + Logitech First Mouse Super
<i>Windows NT Server (Chinese-Traditional)</i>	V3.51	Microsoft	Pass	Adaptec AHA-1530P + Seagate ST32550N + NEC CDR-1810A CD-ROM + ASUS AGP-V2740 + IBM PCI Ethernet + Logitech First Mouse Super
<i>Windows NT Workstation</i>	V4.0	Microsoft	Pass	ASUS PCI-SC875 + IBM DDRS-39130W + Panasonic CR-508-B CD-ROM + ASUS AGP-V264GT3 + D-Link DT220P + Logitech First Mouse Super
<i>Windows NT Workstation (Chinese-Traditional)</i>	V4.0	Microsoft	Pass	Buslogic BT932 + Quantum HN4550S + Toshiba XM-6201B CD-ROM + ASUS AGP-V2740 + Proteon P1670-EA + Logitech First Mouse Super
<i>Windows NT Workstation (Chinese-Simplified)</i>	V4.0	Microsoft	Pass	Adaptec AHA-2940U + Quantum HN9100SW + Panasonic CR-508-B CD-ROM + Leadtek 3D L2300 + Thomas-Conrad TC4048 + Microsoft IntelliMouse
<i>Windows NT Workstation (Japanese)</i>	V4.0	Microsoft	Pass	On-board IDE + Maxtor 88400D8 + Goldstar CRD8320B CD-ROM + ASUS AGP-V264GT3 + Cnet 888E + Logitech First Mouse Super
<i>Windows NT Server</i>	V4.0	Microsoft	Pass	DTCT-3194UW + WD WDE2170W + Teac CD-532S CD-ROM + ASUS AGP-V3000 + Intel PCLA815X + Logitech First Mouse Super
<i>Windows NT Server (Chinese-Traditional)</i>	V4.0	Microsoft	Pass	AdvanSys ABP-940U + Quantum HN4550S + Pioneer DR-U06S CD-ROM + miro VIDEO 40SV ergo + Cogent EM964 + Logitech First Mouse Super
<i>Windows NT Server (Japanese)</i>	V4.0	Microsoft	Pass	On-board IDE + Seagate ST34342A + Teac CD-524E CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super
<i>Windows NT Workstation</i>	V5.0 Beta1	Microsoft	Pass	Promise SCSIULTRA + WD WDE2170W + Teac CD-532S CD-ROM + ASUS AGP-V3000 + IBM Auto 16/4 Adapter + Logitech First Mouse Super
<i>Windows NT Server</i>	V5.0 Beta1	Microsoft	Pass	On-board IDE + Seagate ST33232A + Hitachi CDR-8430 CD-ROM + ASUS AGP-V3000 + Logitech First Mouse Super

3.1.2 Application Software Compatibility

Applications					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
<i>3D Studio MAX</i>	V1.3		NT WKS V4.0	Pass	Install from CD-ROM, and execute open, modify, save, quit, ..etc.
<i>AutoCAD Chinese Edition</i>	R14	Autodesk	NT WKS V4.0 (Chinese-Traditional)	Pass	Install from CD-ROM, and execute open, modify, save, quit, ..etc.
<i>Extreme 3D</i>	V1.0	Macromedia	NT WKS V4.0	Pass	Install from CD-ROM, and execute open, modify, save, quit, ..etc.
<i>Microsoft Bookshelf 98</i>	V98	Microsoft	NT WKS V4.0	Pass	Install from CD-ROM, and execute search, print, ..etc.
<i>Microsoft Encarta 98</i>	V98	Microsoft	NT WKS V4.0	Pass	Install from CD-ROM, and execute search, play media, ..etc.
<i>Microsoft Office 97</i>	Profession	Microsoft	NT WKS V4.0	Pass	Install from CD-ROM, and execute Word, Excel, Power Point, Schedule, Outlook, Photo, Access ..etc.
<i>Photoshop</i>	V4.0	Adobe	NT WKS V4.0	Pass	Install from CD-ROM, and execute open, modify, save, quit, ..etc.
<i>Corel WordPerfect 8</i>	Suit 8	Corel	NT WKS V4.0	Pass	Install from CD-ROM , and execute Project, Presentation, WordPerfect, ..etc.
Application Server					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
<i>Exchange Server</i>	V4.0	Microsoft	NT Server V4.0	Pass	Install from CD-ROM, and execute Health, History, Queues ..etc.
<i>Internet Information Server</i>	V2.0	Microsoft	NT Server V4.0	Pass	Install from CD-ROM, and execute Internet Service Manager, Key Manager ..etc.
<i>Index Server</i>	V1.1	Microsoft	NT Server V4.0	Pass	Install from CD-ROM, and execute Administration, Sample Query Form ..etc.
<i>Proxy Server</i>	V1.0	Microsoft	NT Server V4.0	Pass	Install from CD-ROM, and execute Internet Service Manager, Monitor Performance ..etc.

Application Server					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
SQL Server	V6.5	Microsoft	NT Server V4.0	Pass	Install from CD-ROM, and execute ISQL_w, MS Query, Enterprise Manager ..etc.
SNA Server	V3.0	Microsoft	NT Server V4.0	Pass	Install from CD-ROM, and execute Manager, Trace, Trace Viewer ..etc.
Systems Management Server	V1.2	Microsoft	NT Server V4.0	Pass	Install from CD-ROM, and execute Administrator, Database Manager, Network Monitor ..etc.
HTML Editor					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
FrontPage 98	V98	Microsoft	NT Server V4.0	Pass	Install from CD-ROM, and execute Editor, Explorer, TCP/IP Test, Administrator ..etc.

3.2 Hardware Compatibility Test

IDE Controller						
Card Type	Primary IDE		Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S	H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	Fujitsu MPA3026AT (4)	M	NEC CDR-1800A (18X)	M	NT WKS V4.0	Pass
	Fujitsu MPB3052AT (DMA33)	M	Toshiba XM-6102B (24X)	M	NT Server V4.0	Pass
	Maxtor 90288D2 (DMA33)	S				
	IBM DCAA-34330 (DMA33)	M	Cyber 160D (16X)	M	NT WKS V4.0	Pass
	IBM DHEA-38451 (DMA33)	M	Panasonic CR-585-B (24X)	M	NT Server V4.0	Pass
	Maxtor 83500D4 (DMA33)	M	ASUS CD-S400 (40X)	M	NT WKS V4.0	Pass
	Maxtor 84320D5 (DMA33)	M	Hitachi CDR8130 (18X)	M	NT WKS V4.0	Pass
	Maxtor 85120A8 (4)	M	Sony CDU571 (16X)	M	NT Server V4.0	Pass
	Maxtor 82560D3 (DMA33)	M	None		NT Server V4.0	Pass
	Teac CD-524E (24X)	S				
	Maxtor 85250D6 (DMA33)	M	ASUS CD-S400 (40X)	M	NT WKS V4.0	Pass
	Maxtor 86480D6 (DMA33)	M	BTC BCD24X (24X)	M	NT WKS V3.51 (Japanese)	Pass
	Maxtor 88400D8 (DMA33)	M	Goldstar CRD8320B (32X)	M	NT WKS V4.0 (Japanese)	Pass
	Maxtor 90840D6 (DMA33)	M	Vuego CD624A (24X)	M	NT Server V4.0	Pass
	Micropolis 4540A (4)	M	Sony CDU511 (16X)	M	NT WKS V4.0	Pass
	Maxtor 85120A8 (4)	S				
	Quantum SE4300AT (DMA33)	M	NEC CDR-1900A (32X)	M	NT Server V4.0	Pass
	Quantum ST3240AT (DMA33)	M	Vuego CD624A (24X)	M	NT WKS V4.0 (Chinese-Traditional)	Pass
	IBM DHEA-38451 (DMA33)					
	Quantum ST4320AT (DMA33)	M	Vuego CD616A (18X)	M	NT WKS V4.0	Pass
	Quantum TM3840AT (4)	M	Philips PCA243CD (24X)	M	NT WKS V4.0	Pass
	Quantum TX8000AT (DMA33)	M	Teac CD-516E (16X)	M	NT Server V4.0	Pass
	Samsung VG33402A (DMA33)	M	Wearnes CDD1620 (16X)	M	NT Server V4.0	Pass
	Seagate ST32122A (DMA33)	M	Aopen CD932E (32X)	M	NT WKS V4.0	Pass
Seagate ST33221A (DMA33)	M	NEC CDR-CC24 (24X)	M	NT Server V4.0	Pass	
Seagate ST33232A (DMA33)	M	Hitachi CDR-8430 (32X)	M	NT Server V5.0 Beta1	Pass	
Seagate ST34342A (DMA33)	M	Teac CD-524E (24X)	M	NT Server V4.0 (Japanese)	Pass	
Seagate ST34520A (DMA33)	M	Pioneer DR-A24X (24X)	M	NT WKS V4.0	Pass	
Seagate ST36451A (DMA33)	M	Sony CDU711 (32X)	M	NT WKS V4.0	Pass	

IDE Controller						
Card Type	Primary IDE		Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S	H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	Seagate ST36531A (DMA33)	M	Lite-On LTN-301 (32X)	M	NT WKS V4.0 (Chinese-Traditional)	Pass
	Seagate ST38641A (DMA33)	M	Fujitsu MPB3021AT (DMA33) Philips PCA323CD (32X)	M S	NT WKS V4.0	Pass
	Seagate ST52520A (4)	M	Hitachi CDR-8430 (32X)	M	NT Server V4.0 (Chinese-Traditional)	Pass
	WD AC34000 (4)	M	Hitachi CDR8430 (32X)	M	NT WKS V4.0	Pass
	WD AC35100 (DMA33)	M	Maxtor 84320D5 (DMA33) Sony CDU571 (16X)	M S	NT WKS V4.0	Pass
	Maxtor 85120A8 (4)	M	Vuego CD624A (24X)	M	NT WKS V4.0	Pass

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (ISA)	<i>Adaptec AHA-1530P Rev.C (BIOS:V1.03)</i>	Seagate ST32550N	NEC CDR-1810A	NT Server V3.51 (Chinese-Traditional)	Pass
	<i>Adaptec AHA-1542CP Rev.B (BIOS:V1.02)</i>	Quantum TM3200S	Panasonic CR-506-B	NT WKS V4.0	Pass
SCSI (PCI)	<i>ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)</i>	Quantum ST32155W	Teac CD-532S	NT WKS V4.0	Pass
	<i>ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)</i>	IBM DDRS-39130W	Panasonic CR-508-B	NT WKS V4.0	Pass
	<i>Adaptec AHA-2940U2W Rev.A (BIOS:2.00.0)</i>	Seagate ST19101W	NEC CDR-1810A	NT Server V4.0	Pass
	<i>Adaptec AHA-2940U DUAL Rev.B (BIOS:1.33)</i>	Quantum HN9100SW	Panasonic CR-508-B	NT WKS V4.0 (Chinese-Simplified)	Pass
	<i>Adaptec AHA-2940AU Rev.A (BIOS:V1.30)</i>	Seagate ST34501N	NEC CDR-1810A	NT Server V4.0	Pass
	<i>Adaptec AHA-2940UW Rev.C (BIOS:V1.25)</i>	Seagate ST15150W	Plextor PX-20TSi	NT Server V5.0 Beta1	Pass
	<i>Adaptec AHA-3940UW Rev.A (BIOS:V1.25)</i>	IBM DDRS-34560W	Teac CD-532S	NT WKS V4.0	Pass
	<i>Adaptec AHA-3940W Rev.D (BIOS:V1.12)</i>	IBM DDRS-34560W	Pioneer DR-U06S	NT WKS V4.0	Pass
	<i>Adaptec AHA-3985W Rev.A (BIOS:V1.50)</i>	WD WDE2170W	Toshiba XM-6201B	NT Server V3.51	Pass
	<i>AdvanSys ABP-930U Rev.1 (BIOS:V2.8C)</i>	Micropolis 4341NS	Pioneer DR-U06S	NT WKS V4.0	Pass
	<i>AdvanSys ABP-940U Rev.A (BIOS:V2.6L)</i>	Fujitsu M2954SYU	Teac CD-532S	NT Server V4.0	Pass
		Quantum HN4550S	Pioneer DR-U06S	NT Server V4.0 (Chinese-Traditional)	Pass
	<i>Buslogic BT930 Rev.A (BIOS:V1.41d)</i>	Fujitsu M2952SYU	NEC CDR-1610A	NT WKS V3.51	Pass
	<i>Buslogic BT932 Rev.A (BIOS:V1.41d)</i>	Quantum HN4550S	Toshiba XM-6201B	NT WKS V4.0 (Chinese-Traditional)	Pass
	<i>Buslogic BT948C Rev.Ab (BIOS:V4.96F)</i>	Seagate ST32550N	Plextor PX-32TSi	NT WKS V4.0	Pass
	<i>Buslogic BT950 Rev.AC (BIOS:V1.41i)</i>	IBM DCAS-32160W	Pioneer DR-U06S	NT WKS V4.0 (Chinese-Traditional)	Pass
	<i>DPT PM2144UW (BIOS:V003.DS)</i>	Quantum PX9100LW	Plextor PX-20TSi	NT WKS V3.51	Pass
	<i>Diamond Fireport40 Rev.C (BIOS:4.05.00.00f)</i>	Seagate ST34501W	Toshiba XM-6201B	NT WKS V4.0	Pass
	<i>DTC DTCT-3194UW Rev.2A (BIOS:1.10)</i>	WD WDE2170W	Plextor PX-20TSi	NT Server V4.0	Pass
	<i>Initio INI-9100U Rev.D (BIOS:V1.10)</i>	Seagate ST31055N	NEC CDR-1810A	NT WKS V4.0	Pass
<i>Initio INI-9100UW Rev.D (BIOS:V1.10)</i>	Quantum VK4550SW	Plextor PX-20TSi	NT WKS V4.0	Pass	

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (PCI)	<i>Promise SCSIIMAX Rev.B (BIOS:V3.07)</i>	IBM DDRS-34560W	Toshiba XM-6201B	NT WKS V4.0	Pass
	<i>Promise SCSIULTRA Rev.B (BIOS:V4.03)</i>	WD WDE2170W	Plextor PX-32TSi	NT WKS V5.0 Beta1	Pass
RAID Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
RAID Controller	<i>ASUS PCI-DA2100 Rev.3A (BIOS:V1.14A)</i>	IBM DCAS-32160W Seagate ST32155W	Teac CD-532S	NT Server V4.0	Pass
	<i>DPT PM3334 (BIOS:V003.E7)</i>	Quantum PX9100LW Quantum HN2275SW	Panasonic CR-506-B	NT WKS V4.0	Pass
Graphic Adapters					
Card Type	Card Model	Peripheral Device	O.S. Environment	Status	Remark
VGA (PCI)	<i>ASUS 3DP-V375DX Rev.1.11 (BIOS:V1.01.03a)</i>	On-board IDE Maxtor 84320D5 Hitachi CDR81308130	NT WKS V4.0	Pass	S3-VIRGE/DX
	<i>ASUS 3DP-V264GT/Pro Rev. 1.01 (BIOS:V3.043)</i>	ASUS PCI-DA2100 IBM DCAS-32160W Seagate ST32155W Teac CD-532S	NT Server V4.0	Pass	ATI 3D RAGE II + DVD
	<i>Triplex PCI-ET6000 Rev. IJWKW-546 (BIOS:V0.16)</i>	On-board IDE Maxtor 85120A8 Sony CDU571	NT Server V4.0	Pass	Tseng ET6000
	<i>Matrox MGA MIL2P/4+ Rev. A (BIOS:1.01)</i>	ASUS PCI-AS300 Seagate ST32155W Teac CD-532S	NT WKS V4.0	Pass	Matrox 64-Bit Graphics
	<i>miro Crystal VR2000 Rev. A (BIOS: V2.00)</i>	On-board IDE Quantum ST4320AT Vuego CD616A	NT WKS V4.0	Pass	S3 ViRGE/VX
	<i>Diamond FireGL 1000pro Rev. D (BIOS: V1.26)</i>	Promise SCSIIMAX IBM DDRS-34560W Toshiba XM-6201B	NT WKS V4.0	Pass	3Dlabs Permedia 2
	<i>Diamond Stealth II S220 Rev. A (BIOS: V1.31)</i>	On-board IDE Seagate ST32122A Aopen CD932E	NT WKS V4.0	Pass	Rendition V2100
	<i>ELSA Victory ERAZOR Rev. A (BIOS: V1.47.01)</i>	AdvanSys ABP-940U Fujitsu M2954SYU Teac CD-532S	NT Server V4.0	Pass	RIVA 128
	<i>Creative Graphics Blaster Exxtreme Rev. CT6610 (BIOS: V1.34.2)</i>	ASUS PCI-AS300 Seagate ST32155W Teac CD-532S	NT WKS V4.0	Pass	3Dlabs Permedia 2
VGA (AGP)	<i>ASUS AGP-V3000 Rev. 1.02 (BIOS: V1.51B)</i>	DTCT-3194UW WD WDE2170W Plextor PX-20TSi	NT Server V4.0	Pass	RIVA 128
	<i>ASUS AGP-V264GT3 Rev. 1.02 (BIOS: V3.071)</i>	On-board IDE Maxtor 88400D8 Goldstar CRD8320B	NT WKS V4.0 (Japanese)	Pass	ATI 3D RAGE PRO AGP 2X
	<i>Diamond FireGL 1000pro Rev. A (BIOS: V1.36)</i>	Initio INI-9100UW Quantum VK4550SW Plextor PX-20TSi	NT WKS V4.0	Pass	3Dlabs Permedia 2
	<i>Diamond Viper V330 Rev. D (BIOS: V1.49)</i>	On-board IDE Seagate ST33221A NEC CDR-CC24	NT Server V4.0	Pass	RIVA 128
	<i>Leadtek 3D L2300 Rev. B (BIOS: V1.35)</i>	Adaptec AHA-2940U Quantum HN9100SW Panasonic CR-508-B	NT WKS V4.0 (Chinese-Simplified)	Pass	3Dlabs Permedia 2
	<i>Matrox MGA-MIL2P/4+ AGP Rev. A (BIOS: V1.01)</i>	On-board IDE Seagate ST36451A Sony CDU711	NT WKS V4.0	Pass	Matrox 64-Bit Graphics
	<i>ELSA Gloria Synergy Rev. A (BIOS: V7.02.01)</i>	Buslogic BT948C Seagate ST32550N Plextor PX-32TSi	NT WKS V4.0	Pass	3Dlabs Permedia 2

Multimedia Kit					
Card Type	Card Model	Peripheral Device	O.S. Environment	Status	
Sound Card (ISA)	<i>On-board ESS Solt-1</i>	ASUS PCI-AS300 Seagate ST32155W Teac CD-532S	NT WKS V4.0	Pass	
		On-board IDE Maxtor 85120A8 Vuego CD624A	NT WKS V4.0	Pass	
		Initio INI-9100UW Quantum VK4550SW Plextor PX-20TSi	NT WKS V4.0	Pass	
		On-board IDE Maxtor 85250D6 ASUS CD-S400	NT WKS V4.0	Pass	
	<i>Creative Sound Blaster AWE32 PnP</i>	Buslogic BT948C Seagate ST32550N Plextor PX-32TSi	NT WKS V4.0	Pass	

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port Addr.	DMA			
Ethernet (ISA)	<i>3COM 3C509B-TP (Plug and Play)</i>	5	360		NT WKS V4.0	Pass	
	<i>Accton EN166X Rev.02 (Plug and Play)</i>	3	300		NT WKS V4.0	Pass	
	<i>Cnet 288PnP Rev.A (Plug and Play)</i>	3	300		NT WKS V4.0	Pass	
	<i>Cnet 888E Rev.1.4</i>	5	300		NT WKS V4.0 (Japanese)	Pass	
	<i>HP NC/16TP Rev.D</i>	5	300	7	NT Server V4.0	Pass	
	<i>Intel PCLA8205 (Plug and Play)</i>	11	210		NT WKS V4.0	Pass	
	<i>Novell NE2000Plus-3</i>	5	300		NT WKS V4.0	Pass	
Ethernet (PCI)	<i>ASUS PCI-DEC10-TB+ Rev.B1</i>	Auto	Auto		NT Server V4.0	Pass	
	<i>3COM 3C590C Rev.14</i>	Auto	Auto		NT Server V4.0	Pass	
	<i>3COM 3C900C Rev.C</i>	Auto	Auto		NT WKS V4.0	Pass	
	<i>Accton EN1203 Rev.01C</i>	Auto	Auto		NT WKS V4.0	Pass	
	<i>Accton EN1208 Rev.01A</i>	Auto	Auto		NT WKS V4.0 (Chinese-Traditional)	Pass	
	<i>Compaq NETFLEX-3/P Rev.A</i>	Auto	Auto		NT WKS V4.0	Pass	
	<i>Cogent EM960</i>	Auto	Auto		NT Server V4.0	Pass	
	<i>Cogent EM964</i>	Auto	Auto		NT Server V4.0 (Chinese-Traditional)	Pass	
	<i>Digital DE450AC Rev.A01</i>	Auto	Auto		NT Server V4.0	Pass	
	<i>HP J2973 Rev.B</i>	Auto	Auto		NT WKS V4.0	Pass	
	<i>IBM PCI Ethernet Rev.B2</i>	Auto	Auto		NT Server V3.51 (Chinese-Traditional)	Pass	
	<i>Intel PILA840X</i>	Auto	Auto		NT Server V4.0	Pass	
	<i>Proteon P1670-EA</i>	Auto	Auto		NT Server V4.0 NT WKS V4.0 (Chinese-Traditional)	Pass	
	<i>SMC 8432BT Rev.A</i>	Auto	Auto		NT Server V3.51	Pass	

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port Addr.	DMA			
100BaseTx	ASUS PCI-DEC100TX+ Rev.01	Auto	Auto		NT WKS V4.0 (Chinese-Traditional)	Pass	
	ASUS PCI-L101	Auto	Auto		NT Server V4.0	Pass	
	3Com 3C595TX Rev.B	Auto	Auto		NT WKS V3.51	Pass	
	3Com 3C905TX Rev.B	Auto	Auto		NT Server V3.51	Pass	
	Accton EN1207 Rev.01	Auto	Auto		NT WKS V4.0	Pass	
	Accton EN1207B-TX Rev:01	Auto	Auto		NT Server V4.0 (Chinese-Traditional)	Pass	
	Digital DE500XA	Auto	Auto		NT WKS V4.0	Pass	
	Digital ALN-315	Auto	Auto		NT Server V4.0	Pass	
	HP J3171	Auto	Auto		NT WKS V4.0 (Chinese-Simplified)	Pass	
	Intel PILA8465	Auto	Auto		NT WKS V3.51	Pass	
	Intel PILA8465B	Auto	Auto		NT WKS V4.0	Pass	
	Intel PILA8485	Auto	Auto		NT Server V3.51	Pass	
	SMC 9332DST	Auto	Auto		NT WKS V4.0	Pass	
Token-Ring Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port Addr.	DMA			
Token-Ring (ISA)	3COM 3C319 Rev.A	5	A20		NT WKS V4.0	Pass	
	D-Link DT-220P (Plug and Play)	Auto	Auto		NT WKS V4.0	Pass	
	IBM Auto 16/4 Adapter (Plug and Play)	Auto	Auto		NT WKS V5.0 Beta1	Pass	
	Intel PCL815X (Plug and Play)	5	340		NT WKS V4.0	Pass	
	Olicom OC-3118 Rev.3 (Plug and Play)	Auto	Auto		NT WKS V3.51	Pass	
	Proteon P1392Plus Rev.J	5	A20	5	NT WKS V4.0	Pass	
Token-Ring (PCI)	3COM 3C359 Rev.A	Auto	Auto		NT WKS V4.0	Pass	
	IBM AUTO LANStreamer PCI	Auto	Auto		NT Server V5.0 Beta1	Pass	
	Olicom OC-3870 Rev.4	Auto	Auto		NT Server V3.51	Pass	
	Proteon P1690 Rev.B	Auto	Auto		NT WKS V4.0	Pass	
	Thomas-Conrad TC4048 Rev.C	Auto	Auto		NT WKS V4.0	Pass	
Modem Devices							
Type	Model	Peripheral Device			Application	Status	Remark
Modems (Internal)	Compeq Netelligent 56K	NT WKS V4.0			Dial up Internet, Netscape Upload / Download	Pass	42,000 BPS COM3
Modems (External)	Acer AME-RT00	NT WKS V4.0			Dial up Internet, Netscape Upload / Download	Pass	42,000 BPS COM1
	GVC SF-1156V/R	NT WKS V4.0			Dial up Internet, Netscape Upload / Download	Pass	40,000 BPS COM1
	USRobotics Sportster 56K	NT WKS V4.0			Dial up Internet, Netscape Upload / Download	Pass	42,000 BPS COM1
	USRobotics 56K Voice USB	NT WKS V4.0			Dial up Internet, Netscape Upload / Download	Pass	42,000 BPS COM1

Modem Devices					
Type	Model	Peripheral Device	Application	Status	Remark
Modems (External)	<i>E-TECH E56RVP</i>	NT WKS V4.0	Dial up Internet, Netscape Upload / Download	Pass	42,000 BPS COM1
ISDN Devices					
Type	Model	Peripheral Device	Application	Status	Remark
ISDN (External)	<i>ZyXEL Elite 2864I</i>	NT WKS V4.0	Dial up Internet, Netscape Upload / Download Files	Pass	64,000 BPS
	<i>ZyXEL ISDN Terminal Adapter Omni TA128</i>	NT WKS V4.0 (Chinese-Traditional)	Dial up Internet, Netscape Upload / Download Files	Pass	64,000 BPS
LS-120 Devices					
Type	Model	O.S. Environment	Status	Remark / Special Setting	
IDE	<i>O.R. Technology FD-3120A (LS-120)</i>	NT Server V4.0	Pass		
M.O. Devices					
Type	Model	O.S. Environment	Status	Remark / Special Setting	
SCSI	<i>Fujitsu Dyna M2513S2B</i>	NT WKS V4.0	Pass		
	<i>Fujitsu TeraSys M2513A6</i>	NT Server V4.0	Pass		
	<i>Mitsubishi MCA640</i>	NT WKS V4.0	Pass		
IDE	<i>Fujitsu M2541BE02</i>	NT WKS V4.0	Pass		
Printer Devices					
Type	Model	O.S. Environment	Status	Remark / Special Setting	
Parallel	<i>HP LaserJet 5L</i>	NT WKS V4.0	Pass		
Removable HDD Devices					
Type	Model	O.S. Environment	Status	Remark / Special Setting	
SCSI	<i>Data Drive Technology PS-750</i>	NT WKS V4.0	Pass		
	<i>lomega V1000Si JAZ</i>	NT WKS V4.0	Pass		
	<i>lomega V1000S JAZ</i>	NT WKS V4.0	Pass		
Tape Devices					
Type	Model	O.S. Environment	Status	Remark / Special Setting	
SCSI	<i>Seagate DAT 02779-XXX</i>	NT WKS V4.0	Pass		
	<i>Seagate STT8000N</i>	NT WKS V4.0	Pass		
ZIP Devices					
Type	Model	O.S. Environment	Status	Remark / Special Setting	
SCSI	<i>lomega Z100S2</i>	NT WKS V4.0	Pass		
IDE	<i>lomega Z100iDE</i>	NT WKS V4.0	Pass		

3.3 Field (stress) Test for Networking Environment

Test Type	Windows NT Workstation V4.0 test		
Configuration	AMD K6-2/300 + 128MB(SDRAM 128MB) + 512KB(On-board UT) + ASUS PCI-SC875 + IBM DDRS-39130W + Panasonic CR-508-B CD-ROM + ASUS AGP-V264GT3 + D-Link DT220P + Logitech First Mouse Super		
	1 * Workstation (NT WKS V4.0) 1 * Server (NT Server V4.0)		
Test Procedure	Workstation (NT WKS V4.0): Run multitasking programs, network I/O test. Server (NT Server V4.0): Allows other user to log-on and connect.		
Result	Pass	Duration	15 Hours
Test Type	Windows NT Server V4.0 test		
Configuration	Cyril MII-300 + 128MB(SDRAM 128MB) + 512KB(On-board UMC) + Adaptec AHA-2940U2W + Seagate ST19101W + NEC CDR-1810A CD-ROM + miro VIDEO 40SV ergo + Cogent EM964 + Logitech First Mouse Super		
	1 * Server (NT Server V4.0) 1 * Server (OS/2 WARP Server V4.0)		
Test Procedure	Server (NT Server V4.0): Run multitasking programs, network I/O test. Server (OS/2 WARP Server V4.0): Allows other user to log-on and connect.		
Result	Pass	Duration	15 Hours
Test Type	Windows NT Workstation V4.0 test		
Configuration	AMD K6-2/300 + 64MB(SDRAM 64MB) + 512KB(On-board UMC) + On-board IDE + Micropolis 4540A + Maxtor 85120A8 + Sony CDU511 CD-ROM + Diamond Viper V330 + Novell NE2000Plus-3 + Logitech First Mouse Super		
	1 * Workstation (NT WKS V4.0) 1 * Servers (NT Server V4.0)		
Test Procedure	Workstation (NT WKS V4.0): Run multitasking programs, network I/O test. Server (NT Server V4.0): Allows other user to log-on and connect.		
Result	Pass	Duration	16 Hours

4. IBM OS/2 Operating System Test

4.1 Software Compatibility Test

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
IBM OS/2 WARP	V4.0	IBM	Pass	On-board IDE + IBM DHEA-38451 + Teac CD-532E CD-ROM + ASUS AGP-V2740 + Logitech First Mouse Super
IBM OS/2 WARP (Chinese-Traditional)	V4.0	IBM	Pass	ASUS PCI-AS300 + Quantum VK4550S + NEC CDR-1810A CD-ROM + miro VIDEO 40SV ergo + ASUS PCI-DEC100TX + Logitech First Mouse Super
IBM OS/2 WARP (Japanese)	V4.0	IBM	Pass	Buslogic BT950 + Seagate ST32155W + Plextor PX-20TSi CD-ROM + ASUS AGP-V2740-TV + SMC 8432BT + Logitech First Mouse Super
IBM OS/2 WARP Server	V4.0	IBM	Pass	On-board IDE + WD WDAC22100 + Sony CDU611 CD-ROM + miro VIDEO 40SV ergo + IBM PCI Ethernet + Logitech First Mouse Super

4.2 Hardware Compatibility Test

IDE Controller							
Card Type	Primary IDE		Secondary IDE		O.S. Environment	Status	
	H.D.D./CD-ROM (Mode/Speed)	M/S	H.D.D./CD-ROM (Mode/Speed)	M/S			
On-board IDE (PCI)	Fujitsu MPB3021AT (DMA33)	M	None		OS/2 WARP Server V4.0	Pass	
	Sony CDU511 (16X)	S					
	IBM DHEA-38451 (DMA33)	M	Teac CD-532E (32X)	M	OS/2 WARP V4.0	Pass	
	WD WDAC22100 (4)	M	None		OS/2 WARP Server V4.0	Pass	
Sony CDU611 (24X)	S						
SCSI Disk Controllers							
Card Type	Card Model	H.D.D.		CD-ROM	O.S. Environment	Status	
SCSI (PCI)	ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)	Quantum VK4550S		NEC CDR-1810A	OS/2 WARP V4.0 (Chinese-Traditional)	Pass	
	Buslogic BT948C Rev.Ab (BIOS:V4.96F)	Seagate ST34501N		NEC CDR-1810A	OS/2 WARP V4.0	Pass	
	Buslogic BT950 Rev.AC (BIOS:V1.41i)	Seagate ST32155W		Plextor PX-20TSi	OS/2 WARP V4.0	Pass	
	DPT PM2144UW (BIOS:V003.DS)	Seagate ST34572N		Panasonic CR-508-B	OS/2 WARP V4.0 (Japanese)	Pass	
Ethernet Adapters							
Card Type	Card Model	Configurations: IRQ Port Addr. DMA			O.S. Environment	Status	Remark
Ethernet (PCI)	Digital DE450AC Rev.A01	Auto	Auto		OS/2 WARP V4.0 (Japanese)	Pass	
	IBM PCI Ethernet Rev.B2	Auto	Auto		OS/2 WARP Server V4.0	Pass	
	Intel PILA840X	Auto	Auto		OS/2 WARP V4.0	Pass	
	SMC 8432BT Rev.A	Auto	Auto		OS/2 WARP V4.0 (Japanese)	Pass	
100BaseTx	ASUS PCI-DEC100TX Rev.C6	Auto	Auto		OS/2 WARP V4.0 (Chinese-Traditional)	Pass	
	ASUS PCI-L101	Auto	Auto		OS/2 WARP V4.0	Pass	
	Acer ALN-315	Auto	Auto		OS/2 WARP Server V4.0	Pass	
	Intel PILA8465	Auto	Auto		OS/2 WARP V4.0	Pass	

Token-Ring Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port	Addr. DMA			
Token-Ring (PCI)	Compag Netelligent 4/16 TR PCI Rev.A	Auto	Auto		OS/2 WARP V4.0	Pass	
	IBM AUTO LANStreamer PCI	Auto	Auto		OS/2 WARP Server V4.0	Pass	
	Olicom OC-3870 Rev.4	Auto	Auto		OS/2 WARP V4.0	Pass	
Printer Devices							
Type	Model	O.S. Environment			Status	Remark / Special Setting	
Parallel	HP LaserJet 5L	OS/2 WARP V4.0			Pass		

4.3 Field (stress) Test For Networking Environment

Test Type	IBM OS/2 WARP Server V4.0 test		
Configuration	AMD K6-2/300 + 64MB(SDRAM 64MB) + 512KB(On-board UMC) + On-board IDE + WD WDAC22100 + Sony CDU611 CD-ROM + miro VIDEO 40SV ergo + IBM PCI Ethernet + Logitech First Mouse Super 1 * Server (OS/2 WARP Server V4.0) 1 * Client (OS/2 WARP V4.0)		
Test Procedure	Server : Run multitasking program and network I/O test. Client : Run multitasking program and get data transfer between Server and client.		
Result	Pass	Duration	15 Hours
Test Type	IBM OS/2 WARP V4.0 test		
Configuration	Cyrix MII-300 + 128MB(SDRAM 128MB) + 512KB(On-board UMC) + Buslogic BT950 + Seagate ST32155W + Plextor PX-20TSi CD-ROM + miro VIDEO 40SV ergo + ASUS PCI-L101 + Logitech First Mouse Super 1 * Client (OS/2 WARP V4.0) 1 * Server (OS/2 WARP Server V4.0)		
Test Procedure	Server : Allows other user to log-on and connect. Client : Run multitasking program and get data transfer between Server and client.		
Result	Pass	Duration	15 Hours
Test Type	IBM OS/2 WARP V4.0 CTK test		
Configuration	AMD K6-2/333 + 128MB(SDRAM 128MB) + 512KB(On-board UMC) + On-board IDE + IBM DHEA-38451 + Teac CD-532E CD-ROM + ASUS AGP-V2740 + Logitech First Mouse Super 1 * Peer (OS/2 WARP V4.0)		
Test Procedure	Run Stress Test items.		
Result	Pass	Duration	6 Hours

5. Novell NetWare Operating System Test

5.1 Software Compatibility Test

5.1.1 Network Operating System Compatibility

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
NetWare 386	V3.12	Novell	Pass	AdvanSys ABP-940U + Quantum HN2275SW + ASUS AGP-V385GX2 + Accton EN1208 + ASUS PCI-DEC100TX+
NetWare	V4.11	Novell	Pass	Adaptec AHA-2940UW + IBM DGHS-950W + Pioneer DR-U06S CD-ROM + ASUS AGP-V3000 + HP J2973A + HP J3171A

5.1.2 Application Software Compatibility

Network Benchmark					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
NetBench	V5.01	Ziff-Davis	NetWare V4.11	Pass	Run all mixes with ASUS PCI-AS300.
ServerBench for Netware V4.X	V3.0	Ziff-Davis	NetWare V4.11	Pass	Run all mixes with ASUS PCI-AS300.

5.2 Hardware Compatibility Test

IDE Controller							
Card Type	Primary IDE			Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S		H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	Quantum TM2170AT (DMA33)	M		None		NetWare V4.11	Pass
	Aopen CD-940E (40X)	S					
	Maxtor 90576D4 (DMA33)	M		ASUS CD-S340 (40X)	M	NetWare V4.11	Pass
	WD AC24300 (DMA33)	M		Sony CDU611 (24X)	M	NetWare V4.11	Pass
	Seagate ST36531A (DMA33)	M		Mitsumi CRMC-FX320S (32X)	M	NetWare V4.11	Pass

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (ISA)	Adaptec AHA-1542CP Rev.B (BIOS:V1.02)	Quantum HN9100S	NEC CDR-1810A	NetWare V4.11	Pass
SCSI (PCI)	ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)	Seagate ST34501W	Teac CD-532S	NetWare V4.11	Pass
	ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)	Seagate ST32155W	Plextor PX-20TSi	NetWare V4.11	Pass
	Adaptec AHA-2940UW Rev.F (BIOS:V1.25)	IBM DGHS-950W	Pioneer DR-U06X	NetWare V4.11	Pass
	AdvanSys ABP-940U Rev.2 (BIOS:V2.6.0)	Quantum HN2275SW	None	NetWare V3.12	Pass
	Buslogic BT930 Rev.A (BIOS:V1.41d)	Quantum TM3200S	Panasonic CR-506-B	NetWare V4.11	Pass
	Buslogic BT948C Rev.Ab (BIOS:4.96F)	Quantum HN9100S	None	NetWare V3.12	Pass

Ethernet Adapters								
Card Type	Card Model	Configurations:			O.S. Environment	Status	Driver Name	
		IRQ	Port	Addr. DMA			Server	Client
Ethernet (ISA)	3COM 3C509B-TP (Plug and Play)	5	360		NetWare V4.11	Pass	3c5x9	3c5x9
	Accton EN166X Rev.02 (Plug and Play)	Auto	Auto		NetWare V4.11	Pass	acc6x	mpx2pnp
	D-Link DE220PCT Rev.C1 (Plug and Play)	Auto	Auto		NetWare V4.11	Pass	de22x	de22x
	Novell NE2000Plus-3	5	300		NetWare V4.11	Pass	ne2000	ne2000

Ethernet Adapters								
Card Type	Card Model	Configurations:			O.S. Environment	Status	Driver Name	
		IRQ	Port Addr.	DMA			Server	Client
Ethernet (PCI)	ASUS PCI-DEC10-TB+ Rev.B1	Auto	Auto		NetWare V4.11	Pass	ethpci	ethpci
	Adaptec ANA-6901TX Rev.01A	Auto	Auto		NetWare V3.12 NetWare V4.11	Pass	empci	empci
	Accton EN1208 Rev.01A	Auto	Auto		NetWare V3.12 NetWare V4.11	Pass	1208odi	1208odi
	Compaq NETFLEX-3/P Rev.A	Auto	Auto		NetWare V3.12	Pass	cpqnf3	cpqnf3
	HP J2973A	Auto	Auto		NetWare V4.11	Pass	hptxodim	hptxodim
	IBM PCI Ethernet Rev.B2	Auto	Auto		NetWare V3.12 NetWare V4.11	Pass	ibmeanws	ibmeanwc
100BaseTx	ASUS PCI-DEC100TX+ Rev.01	Auto	Auto		NetWare V3.12 NetWare V4.11	Pass	ethpci	ethpci
	ASUS PCI-L101 Rev.1.03	Auto	Auto		NetWare V4.11	Pass	e100b	e100bodi
	Adaptec ANA-6911TX	Auto	Auto		NetWare V3.12 NetWare V4.11	Pass	empci	empci
	3Com 3C905TX Rev.B	Auto	Auto		NetWare V3.12 NetWare V4.11	Pass	3c90x	3c90x
	HP J3171A	Auto	Auto		NetWare V4.11	Pass	hptx	hptxodi

5.3 Field (stress) Test for Networking Environment

Test Type	NetWare V3.12 Integrate Environment Test		
Configuration	AMD K6-2/300 + 128MB(SDRAM 64MB + 32MB * 2) + 512KB(On-board UMC) + AdvanSys ABP-940U + Quantum HN2275SW + ASUS AGP-V385GX2 + Accton EN1208 + ASUS PCI-DEC100TX+		
	1 * Server (NetWare V3.12) 2 * Clients (DOS/Windows Requester)		
Test Procedure	Server: Accepted network I/O from all clients, load DSK311 to add server load. Clients: Run DTR (run all test) for actual I/O access between server and clients under DOS environment.		
Result	Pass	Duration	12 Hours
Test Type	NetWare V4.11 Integrate Environment Test		
Configuration	AMD K6-2/300 + 64MB(SDRAM 32MB * 2) + 512KB(On-board UMC) + Adaptec AHA-2940UW + IBM DGHS-950W + Pioneer DR-U06S CD-ROM + ASUS AGP-V3000 + HP J2973A + HP J3171A		
	1 * Server (NetWare V4.11) 2 * Clients (DOS/Windows Requester)		
Test Procedure	Server: Accept network request continuously from all clients, run DTS to add server load itself. Clients: Run DTR(all test) for actual access between server and clients.		
Result	Pass	Duration	10 Hours

6. SCO UNIX Operating System Test

6.1 Software Compatibility Test

6.1.1 Network Operating System Compatibility

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
SCO Open Server	R5.0.4	SCO	Pass	ASUS PCI-SC875 + Seagate ST32171W + Plextor PX-20TSi CD-ROM + ASUS AGP-V264GT3 + Intel PILA8465 + Logitech First Mouse Super

6.1.2 Application Software Compatibility

Network Benchmark					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
ServerBench for SCO UNIX R5.0	V2.0	Ziff-Davis	SCO UNIX R5.0.4	Pass	Run all mixes with ASUS PCI-AS300.

6.2 Hardware Compatibility Test

IDE Controller							
Card Type	Primary IDE			Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S		H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	Fujitsu MPB3043AT (DMA33)	M		Pioneer DR-A04S (32X)	M	SCO UNIX R5.0.4	Pass
	Maxtor 90288D2 (DMA33) ASUS CD-S400 (40X)	M S		Maxtor 84000A6 (4)	M	SCO UNIX R5.0.4	Pass
	Seagate ST39140A (DMA33)	M		Hitachi CDR-8430 (32X) Seagate ST33221A (DMA33)	M S	SCO UNIX R5.0.4	Pass

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (PCI)	ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)	Quantum PX9100LW	NEC CDR-1610A	SCO UNIX R5.0.4	Pass
	ASUS PCI-SC875 Rev.1.0 (BIOS:V4.03)	Seagate ST32171W	Plextor PX-20TSi	SCO UNIX R5.0.4	Pass
	AdvanSys ABP-940U Rev.A (BIOS:V2.6L)	Quantum VK4550S	Teac CD-532S	SCO UNIX R5.0.4	Pass

RAID Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
RAID Controller	ASUS PCI-DA2100 Rev.4A(BIOS:V1.14D)	IBM DCAS-34330W Quantum VK4550SW * 2	Sony CDU625	SCO UNIX R5.0.4	Pass

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port Addr.	DMA			
Ethernet (ISA)	3COM 3C509B-TP (Plug and Play)	5	360		SCO UNIX R5.0.4	Pass	
Ethernet (PCI)	3COM 3C900 Rev.C	Auto	Auto		SCO UNIX R5.0.4	Pass	
	SMC 8432BT Rev.A	Auto	Auto		SCO UNIX R5.0.4	Pass	
	Thomas-Conrad TC5048 Rev.A	Auto	Auto		SCO UNIX R5.0.4	Pass	
100BaseTx	ASUS PCI-DEC100TX+ Rev.C5	Auto	Auto		SCO UNIX R5.0.4	Pass	
	ASUS PCI-L101 Rev. 1.03	Auto	Auto		SCO UNIX R5.0.4	Pass	
	3COM 3C905-TX Rev.B	Auto	Auto		SCO UNIX R5.0.4	Pass	
	Acer ALN-315	Auto	Auto		SCO UNIX R5.0.4	Pass	
	Intel PILA8465	Auto	Auto		SCO UNIX R5.0.4	Pass	

6.3 Field (stress) Test for Networking Environment

Test Type	SCO UNIX OPEN SERVER R5.0.4		
Configuration	Cyril MII-300 + 128MB(SDRAM 128MB) + 512KB(On-board UMC) + On-board IDE + Fujitsu MPB3043AT + Pioneer DR-A04S CD-ROM + ASUS PCI-V775V2C + ASUS PCI-L101 + Genius MouseOne		
	1 * Server (SCO UNIX R5.0.4) 1 * Server (Solaris V2.51)		
Test Procedure	Server (SCO UNIX R5.0.4):Run multitasking, ping, telnet test. Server (Solaris V2.51):Run ping, telnet test.		
Result	Pass	Duration	15 Hours
Test Type	SCO UNIX OPEN SERVER R5.0.4		
Configuration	AMD K6-2/333 + 96MB(SDRAM 32MB + 64MB) + 512KB(On-board UMC) + AdvanSys ABP-940U + Quantum VK4550S + Teac CD-532S CD-ROM + ASUS AGP-V3000 + Intel PILA8465 + Logitech First Mouse Super		
	1 * Server (SCO UNIX R5.0.4) 1 * Server (Solaris V2.51)		
Test Procedure	Server (SCO UNIX R5.0.4):Run multitasking, ping, telnet test. Server (Solaris V2.51):Run ping, telnet test.		
Result	Pass	Duration	12 Hours

7. SCO UnixWare Operating System Test

7.1 Software Compatibility Test

7.1.1 Network Operating System Compatibility

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
UnixWare	V2.1	SCO	Pass	Adaptec AHA-1542CF + Quantum HN9100S + Pioneer DR-U06S CD-ROM + Matrox MGA-MIL2P/4+ + SMC 8432BT + Logitech First Mouse Super
UnixWare	V7.0	SCO	Pass	On-board IDE + Micropolis 4540A + Lite-On LTN-301 CD-ROM + Matrox MGA-MIL2P/4+ AGP + Novell NE2000Plus-3 + Logitech First Mouse Super

7.1.2 Application Software Compatibility

Network Benchmark					
Package Name	Version	Publisher	O.S. Environment	Status	Features Tested
ServerBench for UnixWare V2.X	V2.0	Ziff-Davis	UnixWare V2.1	Pass	Run all mixes with ASUS PCI-AS300.

7.2 Hardware Compatibility Test

IDE Controller							
Card Type	Primary IDE			Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S		H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	WD AC34000 (4)	M		Philips PCA243CD (24X)	M	UnixWare V2.1	Pass
	Micropolis 4540A (4)	M		Lite-On LTN-301 (32X)	M	UnixWare V7.0	Pass
	Fujitsu MPB3021AT (DMA33)	M		Hitachi CDR8430 (32X)	M	UnixWare V7.0	Pass

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (ISA)	Adaptec AHA-1542CF Rev.C (BIOS:V2.02)	Quantum HN9100S	Pioneer DR-U06S	UnixWare V2.1	Pass
SCSI (PCI)	ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)	Seagate ST34371W	Sony CDU625	UnixWare V7.0	Pass
	Adaptec AHA-3940UW Rev.A (BIOS:V1.25)	Quantum HN9100SW	NEC CDR-1410A	UnixWare V7.0	Pass

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port Addr.	DMA			
Ethernet (ISA)	3COM 3C509B-TP (Plug and Play)	5	360		UnixWare V7.0	Pass	
	Intel PCL8205	5	300		UnixWare V2.1	Pass	
	Novell NE2000Plus-3	5	300		UnixWare V7.0	Pass	
Ethernet (PCI)	Cogent EM960	Auto	Auto		UnixWare V2.1	Pass	
	SMC 8432BT Rev. A	Auto	Auto		UnixWare V7.0	Pass	
100BaseTx	Intel PILA8465	Auto	Auto		UnixWare V2.1	Pass	

7.3 Field (stress) Test for Networking Environment

Test Type	UnixWare V2.1 test		
Configuration	AMD K6-2/300 + 64MB(SDRAM 64MB) + 512KB(On-board UMC) + Adaptec AHA-1542CF + Quantum HN9100S + Pioneer DR-U06S CD-ROM + Matrox MGA-MIL2P/4+ AGP + SMC 8432BT + Logitech First Mouse Super		
	1 * Server (UnixWare V2.1) 1 * Server (NT Server V4.0)		
Test Procedure	Server (UnixWare V2.1):Run Multi Tasks Test. Server (NT Server V4.0):Run ping,telnettest.		
Result	Pass	Duration	15 Hours
Test Type	UnixWare V7.0 test		
Configuration	AMD K6-2/300 + 64MB(SDRAM 64MB) + 512KB(On-board UMC) + On-board IDE + Micropolis 4540A + Lite-On LTN-301 CD-ROM + Matrox MGA-MIL2P/4+ AGP + Novell NE2000Plus-3 + Logitech First Mouse Super		
	1 * Server (UnixWare V7.0) 1 * Server (NT Server V4.0)		
Test Procedure	Server (UnixWare V7.0):Run Multi Tasks Test. Server (NT Server V4.0):Run ping,telnettest.		
Result	Pass	Duration	16 Hours

8. Sunsoft Solaris Operating System Test

8.1 Software Compatibility Test

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
Solaris	V2.51	Sunsoft	Pass	On-board IDE + Fujitsu MPB3021AT + Vuego CD624A CD-ROM + Diamond FireGL 1000pro + Intel ANA-6911TX + Microsoft IntelliMouse
Solaris (Chinese-Traditional)	V2.51	Sunsoft	Pass	Adaptec AHA-2940UW + IBM DDRS-34560W + Plextor PX-20TSi + ELSA Gloria Synergy + 3COM 3C509TP + Microsoft IntelliMouse
Solaris	V2.6	Sunsoft	Pass	On-board IDE + Maxtor 84000D8 + ASUS CD-S340 CD-ROM + ELSA Gloria Synergy + ASUS PCI-DEC100TX + Microsoft IntelliMouse

8.2 Hardware Compatibility Test

IDE Controller							
Card Type	Primary IDE			Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S		H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	Maxtor 84000D8 (DMA33)	M		ASUS CD-S340 (34X)	M	Solaris V2.6	Pass
	Seagate ST36450A (DMA33)	M		Hitachi CRD-8430 (32X)	M	Solaris V2.6	Pass
	Fujitsu MPB3021AT (DMA33)	M		Vuego CD624A (24X)	M	Solaris V2.51	Pass

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (ISA)	Adaptec AHA-1542CF Rev.C (BIOS:V2.02)	Seagate ST34572N	Toshiba XM-6201B	Solaris V2.6	Pass
SCSI (PCI)	ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)	Seagate ST34501W	Plextor PX-32TSi	Solaris V2.6	Pass
	Adaptec AHA-2940U Dual Rev.B (BIOS:V1.33)	Quantum HN9100SW	Teac CD-532S	Solaris V2.6	Pass
	Adaptec AHA-2940UW Rev.B (BIOS:V1.25)	IBM DDRS-34560W	Plextor PX-20TSi	Solaris V2.51 (Chinese-Traditional)	Pass
	Buslogic BT932 Rev.AC (BIOS:V1.41d)	Micropolis 4341NS	NEC CDR-1610A	Solaris V2.6	Pass
	DPT PM2144UW (BIOS:V003.DS)	WD WDE2170W	Pioneer DR-U06S	Solaris V2.6	Pass

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port	Addr. DMA			
Ethernet (ISA)	3COM 3C509B-TP (Plug and Play)	5	360		Solaris V2.51 (Chinese-Traditional)	Pass	
Ethernet (PCI)	ASUS PCI-DEC10-TB+ Rev. B2	Auto	Auto		Solaris V2.6	Pass	
	Proteon P1670-EA	Auto	Auto		Solaris V2.6	Pass	
100BaseTx	ASUS PCI-DEC100TX+ Rev. C6	Auto	Auto		Solaris V2.6	Pass	
	ASUS PCI-L101 Rev. 1.03	Auto	Auto		Solaris V2.6	Pass	
	3Com 3C595TX Rev.B	Auto	Auto		Solaris V2.6	Pass	
	Adaptec ANA-6911TX	Auto	Auto		Solaris V2.51	Pass	
	SMC 9332DST	Auto	Auto		Solaris V2.6	Pass	

8.3 Field (stress) Test for Networking Environment

Test Type	Solaris V2.51 test		
Configuration	Cyril MII-300 + 64MB(SDRAM 64MB) + 512KB(On-board UT) + Adaptec AHA-2940UW + IBM DDRS-34560W + Plextor PX-20TSi CD-ROM + ELSA Gloria Synergy + 3COM 3C509TP + Microsoft IntelliMouse		
	1 * Server (Solaris V2.51) 1 * Server (Solaris V2.51)		
Test Procedure	Server (Solaris V2.51):Run Multi Tasks Test. Server (Solaris V2.51):Run ping,telnettest.		
Result	Pass	Duration	14 Hours
Test Type	Solaris V2.6 test		
Configuration	Intel P55C-166 + 64MB(SDRAM 64MB) + 512KB(On-board UT) + Adaptec AHA-2940U + Quantum HN9100SW + Teac CD-532S CD-ROM + ELSA Gloria Synergy + 3COM 3C595TX + Microsoft IntelliMouse		
	1 * Server (Solaris V2.6) 1 * Server (Solaris V2.51)		
Test Procedure	Server (Solaris V2.6):Run Multi Tasks Test. Server (Solaris V2.51):Run ping,telnettest.		
Result	Pass	Duration	15 Hours
Test Type	Solaris V2.6 with HCT V3.19		
Configuration	AMD K6-2/333 + 64MB(SDRAM 32MB * 2) + 512KB(On-board UT) + ASUS PCI-AS300 + Seagate ST34501W + Plextor PX-32TSi CD-ROM + ASUS AGP-V264GT3 + ASUS PCI-L101 + Primax MOSXK PS/2 Mouse		
	1 * Server (Solaris V2.6) 1 * Server (Solaris V2.51)		
Test Procedure	Server (Solaris V2.6 with HCT V3.19):Run Certification Test: Disk, Floppy, System Memory, Keyboard, Mouse, CD-ROM, Network, Video. Server (Solaris V2.51): Network test from Solaris.		
Result	Pass	Duration	15 Hours

9. Next OpenStep Operating System Test

9.1 Software Compatibility Test

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
<i>OpenStep</i>	R4.0	Next	Pass	On-board IDE + Quantum TX04A011 + Panasonic CR-585-B CD-ROM + + ASUS AGP-V264GT3 + Logitech First Mouse Super

9.2 Hardware Compatibility Test

IDE Controller						
Card Type	Primary IDE		Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S	H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	Quantum TX04A011 (DMA33) Panasonic CR-585-B (24X)	M S	None		OpenStep R4.0	Pass

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port	Addr. DMA			
100BaseTx	<i>Intel P1LA8465</i>	Auto	Auto		OpenStep R4.0	Pass	

10. Linux Operating System Test

10.1 Software Compatibility Test

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
<i>Linux</i>	V3.4.0	Slackware	Pass	ASUS PCI-AS300 + IBM DGHS-950W + Teac CD-55S CD-ROM + ASUS AGP-V3000 + IBM Ethernet PCI + Logitech Serial Mouse
<i>Turbo Linux</i>	V5.0	RedHat	Pass	On-board IDE + Maxtor 84000A6 + NEC CDR-1600A CD-ROM + ASUS 3DP-V375DX + Logitech Serial Mouse

10.2 Hardware Compatibility Test

IDE Controller							
Card Type	Primary IDE			Secondary IDE		O.S. Environment	Status
	H.D.D./CD-ROM (Mode/Speed)	M/S		H.D.D./CD-ROM (Mode/Speed)	M/S		
On-board IDE (PCI)	Fujitsu MBP3064A (DMA33)	M		ASUS CD-S400 (40X)	M	Linux V3.4	Pass
	IBM DHEA-36480 (4)	M		Goldstar CRD8320B (32X)	M	Linux V3.4	Pass
	Maxtor 84000A6 (4) NEC CDR-1600A (16X)	M S		None		Turbo Linux V5.0	Pass
	Quantum ST3240AT (DMA33)	M		Wearnes CDD-1620 (16X)	M	Linux V3.4	Pass
	Seagate ST33221A (DMA33)	M		Philips PCA203CD (20X)	M	Linux V3.4	Pass

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (ISA)	<i>Adaptec AHA-1542CP Rev. B (BIOS: V1.02)</i>	Seagate ST31055N	NEC CDR-1810A	Linux V3.4	Pass
SCSI (PCI)	<i>ASUS PCI-AS300 Rev.1.0 (BIOS:V1.24)</i>	IBM DGHS-950W	Teac CD-55S	Linux V3.4	Pass
	<i>Adaptec AHA-2940UW Rev.C (BIOS:V1.25)</i>	Quantum HN4550S	Teac CD-55S	Linux V3.4	Pass
	<i>AdvanSys ABP-930UA Rev.E (BIOS:V2.81d)</i>	Seagate ST34501N	NEC CDR-502	Linux V3.4	Pass
	<i>Buslogic BT948C Rev.Ab (BIOS:V4.96F)</i>	Quantum HN9100S	Plextor PX-32TSi	Turbo Linux V5.0	Pass

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port	Addr. DMA			
Ethernet (ISA)	<i>Intel PCLA8205</i>	10	340		Linux V3.4	Pass	
	<i>SMC 8013WC Rev. A</i>	10	300		Turbo Linux V5.0	Pass	
Ethernet (PCI)	<i>ASUS PCI-DEC10-TB+ Rev. B1</i>	Auto	Auto		Linux V3.4	Pass	
	<i>Accton EN1203 Rev. 01C</i>	Auto	Auto		Linux V3.4	Pass	
	<i>Accton EN1208 Rev. 01A</i>	Auto	Auto		Linux V3.4	Pass	
	<i>Cogent EM960</i>	Auto	Auto		Linux V3.4	Pass	
	<i>Digital DE450AC Rev. A01</i>	Auto	Auto		Linux V3.4	Pass	
	<i>IBM PCI Ethernet Rev. B2</i>	Auto	Auto		Linux V3.4	Pass	

10.3 Field (stress) Test for Networking Environment

Test Type	Linux V3.4.0		
Configuration	AMD K6-2/300 + 64MB(SDRAM 32MB * 2) + 512KB(On-board UT) + ASUS PCI-AS300 + IBM DGHS-950W + Teac CD-55S CD-ROM + ASUS AGP-V3000 + IBM Ethernet PCI + Logitech		
	1 * Server (Linux V3.4.0) 1 * Server (NT Server V4.0)		
Test Procedure	Server (Linux V3.2.0):Run multiple tasks. Server (NT Server V4.0):Run telnet.		
Result	Pass	Duration	8 Hours
Test Type	Turbo Linux V5.0		
Configuration	AMD K6-2/300 + 48MB(SDRAM 16MB * 3) + 512KB(On-board UT) + On-board IDE + Maxtor 84000A6 + NEC CDR-1600A CD-ROM + ASUS 3DP-V375DX + Logitech Serial Mouse		
	1 * Server (Turbo Linux V5.0)		
Test Procedure	Server (Turbo Linux V5.0):Run multiple tasks.		
Result	Pass	Duration	8 Hours

11. Banyan Vines Operating System Test

11.1 Software Compatibility Test

O.S. Name	Version	Publisher	Status	Hardware Configuration / Hard Disk & Controller
Vines	V7.0	Banyan	Pass	DPT PM2144UW + Seagate ST19101N + Teac CD-532S CD-ROM + ASUS PCI-V775V2C + 3COM 3C509B-TP

11.2 Hardware Compatibility Test

IDE Controller						
Card Type	IDE H.D.D (Mode)	M/S	SCSI Controller & CR-ROM		O.S. Environment	Status
On-board IDE (PCI)	Maxtor 90288D2 (DMA33)	M	Adaptec AHA-1542CF NEC CDR-1810A		Vines V7.0	Pass
	Seagate ST39140A (DMA33)	M	DPT PM2144UW Plextor P-20TSi		Vines V7.0	Pass
	Fujitsu MPB3043AT (DMA33)	M	DPT PM2144UW Plextor P-20TSi		Vines V7.0	Pass

SCSI Disk Controllers					
Card Type	Card Model	H.D.D.	CD-ROM	O.S. Environment	Status
SCSI (ISA)	Adaptec AHA-1542CF Rev.C (BIOS:V2.02)	Quantum VK4550S	NEC CDR-1610A	Vines V7.0	Pass
SCSI (PCI)	DPT PM2144UW (BIOS:V003.DS)	Seagate ST19101N	Teac CD-532S	Vines V7.0	Pass
	Promise SCSIMAX Rev.B (BIOS:V3.07)	Seagate ST32171N	Plextor PX-20TSi	Vines V7.0	Pass

Ethernet Adapters							
Card Type	Card Model	Configurations:			O.S. Environment	Status	Remark
		IRQ	Port	Addr. DMA			
Ethernet (ISA)	3COM 3C509B-TP (Plug and Play)	5	360		Vines V7.0	Pass	
	Novell NE2000Plus-3	3	340		Vines V7.0	Pass	
	SMC 8013WC Rev. A	10	300		Vines V7.0	Pass	

11.3 Field (stress) Test for Networking Environment

Test Type	Vines V7.0		
Configuration	AMD K6-2/333 + 96KB(SDRAM 32MB + 64MB) + 512KB(On-board UMC) + Promise SCSIMAX + Seagate ST32171N + Plextor PX-20TSi CD-ROM + ASUS AGP-V264GT3 + Novell NE200Plus-3		
	1 * Server (Vines V7.0) 1 * Client (MS-DOS 6.22)		
Test Procedure	Server (Vines V7.0):Run network monitoring. Client (MS-DOS 6.22):Run copy file, compare filetest.		
Result	Pass	Duration	16 Hours

PART C. RELIABILITY ENVIRONMENT TEST

1. Power Consumption Test

1.1 Test Configuration

- P5A with AMD K6-2/333 and Cyrix 6x86MX-PR200 MHz CPU with fan
- DRAM 96 MB(SDRAM 32 MB * 3)
- Cache 512KB(On-board Winbond)
- On-board IDE controller
- Panasonic JU-257A606P 3.5 inch 1.44 MB floppy drive
- IBM DHEA-34331 3.5 inch 4335 MB hard drive
- ASUS AGP-V2740 AGP card with 8 MB DRAM
- Seventeam ST-200HR 200W ATX power supply
- FRX FRX-256L 15 inch green monitor

1.2 Test Result

Low AC Line 115V	ITEM		
	AMD K6-2/333	Cyrix 6x86MX-PR200	UNIT
1. System Only			
<i>Full mode</i>	45.4	51.5	Watts
<i>HDD power down</i>	42.7	48.5	Watts
<i>Doze mode</i>	38.6	41.2	Watts
<i>Standby mode</i>	42.0	46.4	Watts
<i>Suspend mode</i>	29.8	29.0	Watts
2. System & Monitor			
<i>Full mode</i>	100.4	107.3	Watts
<i>HDD power down</i>	98.1	104.3	Watts
<i>Doze mode</i>	93.9	97.0	Watts
<i>Standby mode</i>	43.9	48.2	Watts
<i>Suspend mode</i>	32.0	31.0	Watts

High AC Line 230V	ITEM		
	AMD K6-2/333	Cyrix 6x86MX-PR200	UNIT
1. System Only			
<i>Full mode</i>	44.4	50.7	Watts
<i>HDD power down</i>	41.6	46.7	Watts
<i>Doze mode</i>	37.7	40.2	Watts
<i>Standby mode</i>	41.0	45.3	Watts
<i>Suspend mode</i>	28.9	28.1	Watts
2. System & Monitor			
<i>Full mode</i>	98.8	104.9	Watts
<i>HDD power down</i>	96.0	102.2	Watts
<i>Doze mode</i>	92.5	94.7	Watts
<i>Standby mode</i>	44.5	48.9	Watts
<i>Suspend mode</i>	32.4	32.1	Watts

2. Temperature / Humidity

2.1 Test Configuration

- P5A with AMD K6-2/300 MHz CPU with fan
- DRAM 96MB(SDRAM 32MB * 3)
- Cache 512KB(On-board Winbond)
- On-board IDE controller
- NEC FD-1231H 3.5 inch 1.44 MB floppy drive
- Seagate ST32122A 3.5 inch 2111 MB hard drive
- ATI V264VT/G1 PCI VGA card with 4MB DRAM
- ASTEC SA147-3505 145W ATX power supply
- MAG MXP17S 17 inch green monitor

2.2 Emulate Environment Range

Temperature: 10°C~50°C

Humidity: 20%~85%

2.3 Test Program

Running multi-tasking test programs under SCO OpenServer R5.04

2.4 Test Result

Step	Temperature (°C)	Relative Humidity (%)	Time (Hour:Minutes)	Status
1	10	20	00:30	Pass
2	10	20	20:00	Pass
3	50	20	00:30	Pass
4	50	85	08:00	Pass
5	50	85	12:00	Pass
6	25	35	00:30	Pass

3. Thermal Measurement

3.1 Test Configuration

- P5A with AMD K6-2/333 MHz CPU with fan
- DRAM 96MB(SDRAM 32MB * 3)
- Cache 512KB(On-board Winbond)
- On-board IDE controller
- NEC FD-1231H 3.5 inch 1.44 MB floppy drive
- Seagate ST32122A 3.5 inch 2111 MB hard drive
- ATI V264VT/G1 PCI VGA card with 4MB DRAM
- ASTEC SA147-3505 145W ATX power supply
- MAG MXP17S 17 inch green monitor

3.2 Emulate Environment Range

Temperature:35 °C
Relative humidity:85%

3.3 Test program

Running multi-tasking test programs under SCO OpenServer R5.04

3.4 Testing Result

Channel No.	Step Channel	Tem.(°C)	Spec.	Result
CH1-1 (TP1)	Ambient	44.0	-	-
CH1-2 (TP2)	AMD K6-2/333	64.0	70	Pass
CH1-3 (TP3)	ALI M1541 A1 (U13)	64.2	70	Pass
CH1-4 (TP4)	ALI M1543C A1 (U18)	60.7	70	Pass
CH1-5 (TP5)	UT6164C64AQ-5 (U12)	66.6	70	Pass
CH1-6 (TP6)	PBYL-1025B Regulator (Q3)	66.0	150	Pass
CH1-7 (TP7)	F45N03L Regulator (Q1)	48.4	175	Pass
CH1-8 (TP8)	PBYL-1025B Regulator (Q5)	54.6	150	Pass
CH1-9 (TP9)	F45N03L Regulator (Q4)	53.8	175	Pass
CH1-10 (TP10)	CE1	49.7	58	Pass
CH1-11 (TP11)	CE2	52.1	58	Pass
CH1-12 (TP12)	CE3	52.2	58	Pass
CH1-13 (TP13)	CE4	46.1	48	Pass
CH1-14 (TP14)	CE5	46.0	48	Pass
CH1-15 (TP15)	CE9	46.4	48	Pass
CH1-16 (TP16)	Phaselink clock generator	89.3	90	Pass

4. DC Margin Test

4.1 Testing Configuration

- P5A with Cyrix MII-300MHz CPU with fan
- DRAM 96MB (SDRAM 32MB*3)
- Cache 512KB(On-board Winbond)
- On-board IDE controller
- NEC FD-1231H 3.5 inch 1.44 MB floppy drive
- Quantum FB540A 3.5 inch 540MB hard drive
- ASUS 3DP-V375DX PCI VGA card with 4MB DRAM
- Mag MXP17S 17 inch color monitor

4.2 Testing Program

Running for Micro Soft Qaplus 5.51 test program

4.3 Testing Result

+/- 5%					+/- 10%				
No.	Temp.	5V	12V	Result	No.	Temp.	5V	12V	Result
1	25 ° C	4.75V	11.4V	Pass	1	25 ° C	4.5V	10.8V	Pass
2	25 ° C	4.75V	12.6V	Pass	2	25 ° C	4.5V	13.2V	Pass
3	25 ° C	5.25V	11.4V	Pass	3	25 ° C	5.5V	10.8V	Pass
4	25 ° C	5.25V	12.6V	Pass	4	25 ° C	5.5V	13.2V	Pass
1	40 ° C	4.75V	11.4V	Pass	1	40 ° C	4.5V	10.8V	Pass
2	40 ° C	4.75V	12.6V	Pass	2	40 ° C	4.5V	13.2V	Pass
3	40 ° C	5.25V	11.4V	Pass	3	40 ° C	5.5V	10.8V	Pass
4	40 ° C	5.25V	12.6V	Pass	4	40 ° C	5.5V	13.2V	Pass
1	0 ° C	4.75V	11.4V	Pass	1	0 ° C	4.5V	10.8V	Pass
2	0 ° C	4.75V	12.6V	Pass	2	0 ° C	4.5V	13.2V	Pass
3	0 ° C	5.25V	11.4V	Pass	3	0 ° C	5.5V	10.8V	Pass
4	0 ° C	5.25V	12.6V	Pass	4	0 ° C	5.5V	13.2V	Pass
1	-10 ° C	4.75V	11.4V	Pass	1	-10 ° C	4.5V	10.8V	Pass
2	-10 ° C	4.75V	12.6V	Pass	2	-10 ° C	4.5V	13.2V	Pass
3	-10 ° C	5.25V	11.4V	Pass	3	-10 ° C	5.5V	10.8V	Pass
4	-10 ° C	5.25V	12.6V	Pass	4	-10 ° C	5.5V	13.2V	Pass

5. Power On Off Test

5.1 Test Configuration

- P5A with AMD K6-2/333 MHz CPU with fan
- DRAM 96 MB(SDRAM 32 MB * 3)
- Cache 512 KB(On-board Winbond)
- On-board IDE controller
- Panasonic JU-257A606P 3.5 inch 1.44 MB floppy drive
- IBM DHEA-34331 3.5 inch 4335 MB hard drive
- ASUS AGP-V2740 AGP card with 8 MB DRAM
- Seventeam ST-200HR 200W ATX power supply
- FRX FRX-256L 15 inch green monitor

5.2 Instrument

ASUSTeK power on/off tester

5.3 Test Specification

To follow ATX switching power supply standard power on off sequence

2 ms < T2 < 20 ms

100 ms < T3 < 2000 ms

T4 > 1ms

T5 < 10 ms



5.4 Test Result

Power On / Off Test Times	Manual System Power On Self Test		Remark
	Power On	Power Off	
10 Times	Pass	Pass	7 pcs ATX SPS
20 Times	Pass	Pass	7 pcs ATX SPS
30 Times	Pass	Pass	7 pcs ATX SPS
40 Times	Pass	Pass	7 pcs ATX SPS
50 Times	Pass	Pass	7 pcs ATX SPS

Power On / Off Test Times	Warm Boot Power On Self Test		Remark
	Power On	Power Off	
10 Times	Pass	Pass	7 pcs ATX SPS
20 Times	Pass	Pass	7 pcs ATX SPS
30 Times	Pass	Pass	7 pcs ATX SPS
40 Times	Pass	Pass	7 pcs ATX SPS
50 Times	Pass	Pass	7 pcs ATX SPS

Power On / Off Test Times	Auto System Power On Self Test		Remark
	Power On	Power Off	
10 Times	Pass	Pass	7 pcs ATX SPS
20 Times	Pass	Pass	7 pcs ATX SPS
30 Times	Pass	Pass	7 pcs ATX SPS
40 Times	Pass	Pass	7 pcs ATX SPS
50 Times	Pass	Pass	7 pcs ATX SPS

