

Test result for certification

Operation System Compatible Test	Result
Linux RedHat 9.0 / Kernel 2.4.20-8	Pass
Windows XP Professional English Version / 5.01.2462	Pass
Windows 2000 Professional English Version /2.00.2195	Pass
DOS 6.22 and DOS Utility Compatibility Test	Pass
Utility and Driver Test	Result
RedHat Linux 9.0 hardware compatible list for VGA	Default
RedHat Linux 9.0 hardware compatible list for LAN	Default
RedHat Linux 9.0 hardware compatible list for Audio	Default
RedHat Linux 9.0 hardware compatible list for SCSI	Default
VGA for Windows XP (Onboard VIA S3G CLE266 / Driver Ver. 6.14.10.97)	Pass
VGA for Windows 2000P (Onboard VIA S3G CLE266 / Driver Ver.6.14.10.57)	Pass
LAN1 for Windows XP (Realtek RTL8100BL / Driver Ver.5.505.1004.2002)	Pass
LAN2 for Windows XP (Realtek RTL8100C / Driver Ver.5.505.1004.2002)	Pass
LAN1 for Windows 2000P(Realtek RTL8100BL / Driver Ver.5.505.1004.2002)	Pass
LAN2 for Windows 2000P (Realtek RTL8100C / Driver Ver.5.505.1004.2002)	Pass
Audio for Windows XP (Realtek ALC655 / Driver Ver.5.10.0.5420)	Pass
Audio for Windows 2000P (Realtek ALC655 / Driver Ver.5.10.0.5420)	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power Manager Test	Pass
ACPI Power Manager Test	Pass
Wake Up Event Test	Pass
CMOS Backup / Clear CMOS Test	Pass
Boot ROM Test (RPL/PXE)	Pass
Supervisor / User Password Test	Pass
Boot Display - CRT / LCD Function Test	Pass
Boot Display - TV Function Test	Pass
TV S Port Standard Function Test – NTSC	Pass
TV AV Port Standard Function Test ---NTSC	Pass
Init Display First Function Test	Pass
Voltage Monitor Test	Pass
FAN Speed Monitor Test	Pass
Temperature Monitor Test	Pass
Swap Floppy Drive & Boot up Floppy Seek Function Test	Pass
USB Onboard Device Function Test	Pass
COM Address / IRQ Test	Pass
LPT Address / IRQ Test	Pass
BIOS Awdflash Program Test	Pass

Dynamic / Boot_UP Burn_In Test	Test Condition	Result
Diagnostics Software Burn-In Test.	0°C ~60°C , 48 hrs	Pass
Audio Play For Sound Codec Chipset Burn-In Test.	0°C & 60°C , 2 hrs	Pass
LAN Chipset Burn-In Test.	0°C & 60°C , 2 hrs	Pass
Power On/Off Test.	0°C ~60°C , 24hrs	Pass
220V Power On/Off Test.	Room Temperature , 24hrs	Pass
Keyboard Reset Test.	20 Times , DOS Mode	Pass
Windows HCT 7.2 / 9.5 System Stress Test.		Pass
I/O Peripheral Function Test – I/O Function		Result
Floppy Connector / Driver A: & B:		Pass
Primary IDE Master		Pass
Primary IDE Slave		Pass
Secondary IDE Master		Pass
Secondary IDE Slave		Pass
Compact Flash-Type I		Pass
Compact Flash-Type II		Pass
DOC		Pass
DOM-40Pin		Pass
DOM-44Pin		Pass
COM1		Pass
COM2-232		Pass
COM2-422		Pass
COM2-485		Pass
COM-Ring /+5V /+12V		Pass
COM3		Pass
COM4		Pass
COM5		Pass
COM6		Pass
Clear CMOS		Pass
PS/2 Mouse & Keyboard		Pass
Audio Out Selection (W/Amplifier)		Pass
Audio Connector		Pass
Audio 5.1 Channel S/P DIF		Pass
LCD Voltage 5V/3.3V Selection		Pass
LPT1		Pass
SIR / 115.3 Kbps		Pass
USB 1 & 2 Ports		Pass
USB 3 & 4 Ports		Pass
USB 5 & 6 Ports		Pass
VGA Display		Pass
DVI Function		Pass
DIO Function		Pass
LCD / TTL		Pass

LCD / LVDS	Pass
TV-OUT / AV Output – NTSC	Pass
TV-OUT / S Output – NTSC	Pass
TV-OUT / AV Output – PAL	Pass
DIMM Slots	Pass
Watchdog IRQ n	Pass
Watchdog Software Control	Pass
I/O Peripheral Function Test – Front Panel & Function	Result
Power On Button	Pass
IDE LED	Pass
External Buzzer	Pass
On Board Buzzer	Pass
Power LED	Pass
Reset Switch	Pass
CPU FAN Connector	Pass
System FAN Connector	Pass
I/O Peripheral Function Test – Power Connector & Function	Result
ATX Power Connector	Pass
Option ATX Power Connector (PS-ON / +5VSB)	Pass
I/O Peripheral Function Test – LAN Connector & Function	Result
LAN1 Speed LED	Pass
LAN2 Speed LED	Pass
LAN1 Active LED	Pass
LAN2 Active LED	Pass
LAN1 Link LED	Pass
LAN2 Link LED	Pass
LAN1 10/100 Ethernet	Pass
LAN2 10/100 Ethernet	Pass
LAN1 1G Ethernet	Pass
LAN2 1G Ethernet	Pass
I/O Peripheral Function Test – PCI Connector & Function	Result
PCI Slot	Pass
I/O Peripheral Function Test – PME Connector & Function	Result
Option PME Connector	Pass
Power Consumption Test (INTEL ULV CELERON 400MHz)	Result
Normal Mode (+5V)	2.28A
Suspend mode (+5V)	1.88A
Normal Mode (+12V)	0.13A
Suspend mode (+12V)	0.10A
Normal Mode (+3.3V) –ATX Power Supply	0A
Suspend mode (+3.3V)-ATX Power Supply	0A

Power Connector Test (110V/220V)		Voltage Range		Result	
ATX Power (+5V)		4.75V~5.25V		Pass	
ATX Power (+3.3V)		3.135~3.465V		Pass	
ATX Power (+12V)		11.4V~12.6V		Pass	
AT Power to ATX Connector (Play VCD)				Pass	
Timer Accuracy Test				Result	
RTC Timer Accuracy of +/-1 sec per day.				Pass	
System Clock Accuracy of +/-1 sec per day.				Pass	
Watchdog Timer Accuracy of +/-20% sec per minute.				Pass	
Network HUB/LAN Connects Test (LAN1/LAN2)				Result	
HUB	Type	Speed		Pass	
	HP J4095A 24 Ports	10/100 Mbps		Pass	
	D-Link DGS-1008T	10/100 Mbps		Pass	
	Intel Inbusiness 8 Ports	10/100 Mbps		Pass	
	LEMEL LM-S5 5 Ports	10/100 Mbps		Pass	
	Accton Desktop-3005	10/100 Mbps		Pass	
	SVEC FD916H	10 Mbps		Pass	
	D-Link DGS-1008T	1Gbps		Pass	
LED Indicator Lights Function		LAN1 LED		Pass	
		LAN2 LED		Pass	
Touch Screen LCD for Serial Ports Test		Address	IRQ	Result	
COM1		3F8	IRQ4	Pass	
COM2		2F8	IRQ3	Pass	
COM3		3E8	IRQ5	Pass	
COM4		2E8	IRQ10	Pass	
CPU Compatible Test (Windows 2000P)					
CPU Speed	Cache Size	FSB	sSpec#	Vcore	Result
Intel Celeron ULV 650Mhz		100			Pass
Intel Celeron ULV 400Mhz		100			Pass
Memory Test – DDRAM DDR333/400		Speed	Size	Result	
SAMSUNG / K4H560838C-TCB0		DDR 266	256MB	Pass	
KINGMAX / KDL684TAA-60		DDR 333	256MB	Pass	
SAMSUNG / K4H560838C-TCB3		DDR 333	512MB	Pass	
EUDAR / DM32M8AT-333A		DDR 333	512MB	Pass	
Transcend / V58C2256804SAT5		DDR 400	256MB	Pass	
PQI / PQ3D328D60335CU		DDR 333	256MB	Pass	
KINGSTON / D3208DL1T-6		DDR 333	256MB	Pass	
SAMSUNG / K4H560438E-GCCC		DDR 400	1GB	Pass	

On Board Audio Function Test					Result
System Sound					Pass
Play CD_IN					Pass
Play Sound Recorder					Pass
Speaker Out					Pass
Line Out					Pass
Line In					Pass
Line In Sound Recorder					Pass
MIC Speaker – Dynamic / Condenser					Pass
MIC Sound Recorder – Dynamic / Condenser					Pass
Play VCD 10mins					Pass
Audio 5.1 Channel Function Test					Result
2-channel mode for stereo speaker output					Pass
4-channel mode for 4 speaker output					Pass
6-channel mode for 5.1 speaker output					Pass
S/P DIF IN Function Test					Pass
S/P DIF OUT Function Test					Pass
On Board TV Function Test					Result
NTSC	AV Port Output				Pass
	S Port Output				Pass
PAL	AV Port Output				Pass
On Board LCD Function Test		Size	Resolution	Mode	Result
HYUNDAI HT17E11-300		17"	1280*1024	LVDS	Pass
HYUNDAI HT12X11-200		12.1"	1024*768	LVDS	Pass
Toshiba LTM10C209A		10.4"	640*480	TTL	Pass
NEC NL8060AC31-12		12.1"	800*600	TTL	Pass
Samsung LTM150XH-T01		15.1"	1024*768	TTL	Pass
PCI Slot Function (PCI Adapter Card) Test			Type	Interface	Result
AAEON MBC-V100			VGA Card	PCI	Pass
Adaptec ASC-29160			SCSI Card	PCI	Pass
Takram DC-395U V1.02			SCSI Card	PCI	Pass
3 COM 3C905-TX			LAN Card	PCI	Pass
D-Link FE-530TXFast Ethernet			LAN Card	PCI	Pass
Intel SB82559 10/100 Mbps			LAN Card	PCI	Pass
DGE-550T 1000BASE-T Gigabit Ethernet			LAN Card	PCI	Pass
Genuine GM56-AM12019			Modem Card	PCI	Pass
ABIT HotRod 100 Pro			RAID Card	PCI	Pass
YUAN DVD MPEG-2			MPEG Card	PCI	Pass

HDD Compatible Test		Size	Speed	Result
IBM / IC35L180AVV207-1		185.2GB	ATA-133	Pass
IBM / DTLA-307075		76.8GB	ATA-100	Pass
IBM / DTLA-307045		46.1GB	ATA-33	Pass
Fujitsu / MPE 3136AH		13.6GB	ATA-66	Pass
Maxtor / 94098U8		40GB	ATA-66	Pass
Maxtor / D740X-6L		40GB	ATA-100	Pass
Maxtor / 4G160J8		160GB	ATA-133	Pass
Quantum / Fireball Plug AS		30GB	ATA-100	Pass
Seagate / ST320410A		20GB	ATA-100	Pass
Seagate / ST301021A		10.2GB	ATA-66	Pass
Western / WD200EB-OOC PFO		20GB	ATA-66	Pass
CD-ROM / DVD-ROM Test		Type	Speed	Result
ACER DVP1640A		DVD-ROM	16X	Pass
AFREY CD-2052E		CD-ROM	52X	Pass
ASUS CD-S500/A		CD-ROM	50X	Pass
BENQ 652A-674		CD-ROM	52X	Pass
CREATIVE PC-DVD		DVD-ROM	12X	Pass
IBM GCR-8480B		CD-ROM	48X	Pass
KODAK 4802		CD/RW	6X	Pass
PHILIPS PBC03210G		CD-RW/ DVD ROM	32X10X40/ 12X	Pass
NEC C&C-BCD F561B		CD-ROM	52X	Pass
PIONEER ATAPI DVD-A03S		DVD-ROM	6X	Pass
SONY CRX220A1		CD-RW	52X24X52X	Pass
TEAC CD-540E		CD-ROM	40X	Pass
USB Basic Function Test				Result
CMOS USB Function				Pass
CMOS USB Keyboard				Pass
CMOS USB Mouse				Pass
System Booting Test				Pass
USB 2.0 Function Test		USB 1 & 2 Ports		Pass
		USB 3 & 4 Ports		Pass
		USB 5 & 6 Ports		Pass
USB Extention Device Function Test			Type	Result
Cyber Link Power DVD XP4.0			Remote Control	Pass
PLEXTIR PX-S88TU			CD-ROM	Pass
Logitech M-BJ58			Mouse	Pass
HP Photo Smart P1000			Printer	Pass
IOMEGA ZIP 100MB			ZIP	Pass
D-Link DSB-H4/DU-H4			HUB	Pass
Mitsumi FL3.5D353GUE/FUE			USB Floppy	Pass

Floppy Disk Controller Function Test		Result
Copy and Compare File Between C: and A/B		Pass
Format A/B with system transfer and boot PC from floppy		Pass
Chang BIOS Floppy is NONE value		Pass
Peripheral Compatibility-Storage Device		Interface
FUJITSU MCB3064SS	SCSI	Pass
iomega zip 100 parallel port	Parallel	Pass
iomega zip 100MB Internal ATAPI Drive	IDE	Pass
PQI FC256 256 MB Compact Flash Card	Type I	Pass
HITACHI MicroDrive 1GB	Type II	Pass
Digital I/O Connector Function Test		Result
Input / Output Address		Pass
Vcc / GND Function		Pass
COM Port Send & Receive Test		Result
COM1		Pass
COM2		Pass
COM3		Pass
COM4		Pass
Disk On Module [DOM] Compatibility Test		Interface
DOM-256-026P Rev.A1k20	IDE 40 Pin	Pass
DOM-064-426P Rev.A2A11	IDE 44 Pin	Pass
Mini PCI Slot Compatibility		Result
RTL8180L Mini PCI Card		Pass
Wireless LAN Compatibility Test		Interface
ANATEL 2001AJ0673 Mini PCI 802.11b	Mini PCI	Pass
RTL8180L Mini PCI Card	Mini PCI	Pass
D=Link DWL-500+DWL-1000AP	PCI	Pass
System Integer Application Test		Result
System Integer Application Test (Burn-in 8 Hrs.)		Pass
System Integer Power Consumption Test		Result
Normal Mode (+5V)		1.95 A
Normal Mode (+12V)		0.48 A
Normal Mode (+3.3V)		0.10 A

Windows 2000 + SP4 O.S. Performance Test –Intel ULV Celeron (R) 400MHz (100x4.0)/ SAMSUNG / K4H560838C-TCB0 /DDR 266 /256MB	Result
WinBench 99 V1.1-- CPUmark 99	32.9
WinBench 99 V1.1-- FPU WinMark	2109
WinBench 99 V1.1-- Business Graphics WinMark 99	144
WinBench 99 V1.1 -- High-End Graphics WinMark 99	281
WinBench 99 V1.1 – Business Disk WinMark99	9580
WinBench 99 V1.1 – High End Disk WinMark99	26300
3D WinBench 2000 V1.0 Processor Test -- DirectX 7.0 / 1024x768x16Bits	0.946
Content Creation Winstone 2001 -- DirectX 7.0 / 1024x768x16Bits	27.8
Final Reality V1.01 BenchMark Test -- 2D image (DirectX 7.0 / 1024x768x16Bits)	4.98
Final Reality V1.01 BenchMark Test -- 3D (DirectX 7.0 / 1024x768x16Bits)	3.66
Final Reality V1.01 BenchMark Test -- Bus transfer (DirectX 7.0 / 1024x768x16Bits)	7.32
Final Reality V1.01 BenchMark Test -- Overall (DirectX 7.0 / 1024x768x16Bits)	4.64
WinStone 99 V1.2 -- Business WinStone 99 (1024x768x16Bits)	30.0
WinStone 99 V1.2 -- HighEnd WinStone 99 (1024x768x16Bits)	36.2