



## Test result for certification

<b>Stability Test - Dynamic / Boot_UP Burn_In Test</b>	<b>Result</b>
Dynamic Burn-In test. (Play VCD Operating at 0°C~60°C for 48hours)	Pass
Dynamic Burn-In test. (Power On/Off Operating at 0°C~60°C for 24hours)	Pass
Audio Play For Sound Codec Chipset Burn-In Test .( Operating at 0°C & 60°C for 2hours)	Pass
LAN Chipset Burn_In Test. ( Operating at 0°C & 60°C for 2hours)	Pass
Boot_Up Burn_In Test .( Operating at Room Temp.)	Pass
<b>Timer Accuracy Test</b>	<b>Result</b>
System clock accuracy of +/-5 sec per day.	Pass
RTC timer accuracy of +/-3 sec per day.	Pass
Watchdog timer accuracy of +/-20 % per sec/ min.	Pass
<b>Margin Test – Power Consumption – P4 2.53G , DDR266 256MB</b>	<b>Result</b>
Electrical characteristics – Normal Mode(+3.3V)	1.25 A
Electrical characteristics – Suspend Mode(+3.3V)	1.24 A
Electrical characteristics – Normal Mode(+5V)	1.82 A
Electrical characteristics –Suspend Mode(+5V)	1.78 A
Electrical characteristics – Normal Mode(+12V)	0.20 A
Electrical characteristics –Suspend Mode(+12V)	0.07 A
Electrical characteristics (CPU)– Normal Mode(+12V)	7.39 A
Electrical characteristics (CPU)–Suspend Mode(+12V)	2.93 A
Power VCC 5V Margin test .	Pass
<b>Full Loading Power Consumption – P4 2.53G , DDR266 256MB</b>	<b>Result</b>
Electrical characteristics – Normal Mode(+3.3V)	1.42A
Electrical characteristics – Normal Mode(+5V)	5.37A
Electrical characteristics – Normal Mode(+12V)	7.08A
<b>Network HUB / LAN Connects Test</b>	<b>Result</b>
LAN1 D-Link DGS-1008T [ 1000 / 100 / 10 Mbps ]	Pass
LAN1 HP J4095A 24Ports [ 100 /10 Mbps ]	Pass
LAN1 D-Link DES-1008 [ 100 / 10 Mbps ]	Pass
LAN1 Intel InBusiness 8 Ports [ 100 / 10 Mbps ]	Pass
LAN1 LEMEL LM-S5 5 Ports [ 100 / 10 Mbps ]	Pass
LAN1 Accton DeskTop-3005 [ 100 / 10 Mbps ]	Pass
LAN1 SVEC FD916H [ 10 Mbps ]	Pass
LAN2 HP J4095A 24Ports [ 100 /10 Mbps ]	Pass
LAN2 D-Link DES-1008 [ 100 / 10 Mbps ]	Pass
LAN2 Intel InBusiness 8 Ports [ 100 / 10 Mbps ]	Pass
LAN2 LEMEL LM-S5 5 Ports [ 100 / 10 Mbps ]	Pass
LAN2 Accton DeskTop-3005 [ 100 / 10 Mbps ]	Pass
LAN2 SVEC FD916H [ 10 Mbps ]	Pass
<b>Touch Screen for serial Ports Test</b>	<b>Result</b>
COM 1 Serial Port	Pass
COM 2 Serial Port	Pass

<b>CPU Compatible Test</b>	<b>Result</b>
Pentium 4 2.8G ( 533 FSB )	Pass
Pentium 4 2.53G ( 533 FSB )	Pass
Pentium 4 2.4G ( 533 FSB )	Pass
Pentium 4 2.0G ( 400 FSB )	Pass
Pentium 4 1.5G ( 400 FSB )	Pass
Celeron 1.8G ( 400 FSB )	Pass
<b>Memory Test – DDR 333/266</b>	<b>Result</b>
Kingston / SAMSUNG K4H560838C-TCB0 / DDR266 / 256MB	Pass
Kingmax / KDL684T4AA-60 / DDR333 / 256MB	Pass; Note <sup>1</sup>
Transcend / SAMSUNG 229 K4H560838C-TCB3 / DDR333 / 512MB	Pass; Note <sup>1</sup>
SAMSUNG / K4H280838B-TCB0 / DDR266 / 128MB	Pass
SAMSUNG / K4H280838B-TCB0 / DDR266 / 256MB	Pass
<b>On Board Audio Function Test</b>	<b>Result</b>
System Sound	Pass
Play CD_IN	Pass
Play Sound Recorder	Pass
Line Out	Pass
Line In	Pass
Line In Sound Recorder	Pass
MIC Speaker – Dynamic / Condenser	Pass
MIC Speaker Recorder – Dynamic / Condenser	Pass
<b>VGA Card Compatible Test</b>	<b>Result</b>
3D Blaster Savage 4 / PCI Card	Pass
Maxtor G450 / VC-200203 / PCI Card	Pass
<b>Multi Media Card Compatible Test</b>	<b>Result</b>
Creative Sound BLASTER Live5.1 (PCI bus)	Pass
Lemel ESS ES1868F 3D/16 PnP (ISA bus)	Pass
<b>SCSI Card Compatible Test</b>	<b>Result</b>
APTEC / ASC-29160 (PCI bus)	Pass
Takram DC-395U / V1.02 (PCI bus)	Pass
AHA-1520B (ISA bus)	Pass
<b>Modem Card Compatible Test</b>	<b>Result</b>
Genuine GM56-AMI2019 (PCI bus)	Pass
<b>LAN Card Compatible Test</b>	<b>Result</b>
3 COM 3C905-TX (PCI bus)	Pass
D-Link FE-530TX Fast Adapter (PCI bus)	Pass
Intel SB82559 ( 10/100Mbps ) (PCI bus)	Pass
Intel PILA8560 (10/100MB) (ISA bus)	Pass
<b>Other Card Test</b>	<b>Result</b>
YUAN DVD MPEG-2 MPEG CARD ( PCI )	Pass
UPMOST 1394 CardBus + FireWire 3.5" HardDisk Enclosure	Pass
PixelView Play Tvpro	Pass

<b>RAID Adapter Card Test</b>	<b>Result</b>
ABIT HotRod 100 Pro (PCI bus)	Pass
<b>HDD Compatible Test</b>	<b>Result</b>
IBM IC35L180AVV207-1 / 185.2GB / ATA-100	Pass
IBM DTLA-307075 / 76.8GB / ATA-100	Pass
Maxtor 4G160J8 / 160GB /ATA-133	Pass
Maxtor 54610H6 / 46.1GB / ATA100	Pass
Seagate ST340016A / 40GB / ATA-100	Pass
Seagate ST380021A / 80GB / ATA-100	Pass
Seagate ST31276A / 1.2GB / ATA-33	Pass
Fujitsu MPE 3136AH / 13.6GB / ATA66	Pass
<b>CDROM / DVDROM Test</b>	<b>Result</b>
NEC C&C-BCD F561B / 52X	Pass
ASUS CD-S500/A / 50X	Pass
TEAC CD-540E / 40X	Pass
GENUINE GC-952B /52X	Pass
CREATIVE CD5220E / 52X	Pass
4KUS CCD-52X60 / 52X	Pass
Acer 656A-074 / 56X	Pass
Acer DVP 1640A /16X /DVD-ROM	Pass
MITSUMI CRMC-FX4824T / 48X	Pass
AOPEN CD-952E /52X	Pass
AFREEY CD-2050E / 50X	Pass
BENQ 652A-674/ 52X	Pass
LEMEL LCD-5200S-563 52X	Pass
<b>USB Compatible Test</b>	<b>Result</b>
CMOS Setting Test	Pass
CyberLink Power DVD XP4.0 Remote control	Pass
Acer 6406EU-122 CD-ROM	Pass
HP SJ4200C Scanner	Pass
HP Photo Smart P1000 Print	Pass
IOMEGA ZIP 100MB	Pass
D-Link DSB-H4/ DU-H4 HUB	Pass
MITSUMI FLL3.5 D353GUE/FUE	Pass
<b>Floppy Disk Controller Test</b>	<b>Result</b>
Copy and Compare file between C : and A/B	Pass
Format A/B with system transfer and boot PC from floppy	Pass
Change CMOS Floppy is NONE value	Pass
SWAP FDD	Pass
<b>Peripheral Storage Device Compatible test</b>	<b>Result</b>
Fujitsu MO MCB3064SS ( SCSI Type )	Pass
IOMEGA ZIP100M ( Parallel Type )	Pass
IOMEGA ZIP100M ( IDE Type )	Pass

LS-120 / LKM-F930-1 (IDE Type)	Pass
Compact Flash	Pass
<b>On Board I / O Function Test</b>	<b>Result</b>
COM Port Send-Receive Test	Pass
CheckIt 7.0 Portable Edition Test	Pass
<b>Disk On Module [ DOM ] Compatibility Test</b>	<b>Result</b>
DOM-256-026P / Rev.A1k20 / IDE 40 Pin	Pass
<b>System Integer Application Test</b>	<b>Result</b>
PCI cards integer application	Pass
ISA cards integer application	Pass
PCI and ISA cards integer application	Pass
<b>BIOS Function Test</b>	<b>Result</b>
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power manager test	Pass
ACPI Power manager test	Pass
Power On Function test	Pass
Wake Up Event Test	Pass
CMOS backup Test	Pass
Boot ROM Test	Pass
COM Address/IRQ Test	Pass
LPT Address /IRQ Test	Pass
Hardware Monitor Test	Pass
Supervisor Password Test	Pass
BIOS Awdflash Program Test	Pass
<b>Performance Test – CPU Pentium 4 2.0 G , DDR266 256MB * 2</b>	<b>Result</b>
LandMark Speed 2.0 – CPU	66306
LandMark Speed 2.0 – FPU	10470.58
LandMark Speed 2.0 – VIDEO	17873
WinBench 99 V1.1- CPU mark99	122
WinBench 99 V1.1- FPU winmark	6950
WinBench 99 V1.1- Business Graphic winmark99	324
WinBench 99 V1.1- High_end Graphic winmark99	1070
Final Reality V1.01 BenchMark Test – 2D image	19.34
Final Reality V1.01 BenchMark Test – 3D	7.17
Final Reality V1.01 BenchMark Test – Bus transfer	23.96
Final Reality V1.01 BenchMark Test – Overall	13.34
3D WinBenech 2000 v1.0 with DirectX7 and 1024x768x16Bits-Processor Test	2.08
Content Creation Winstone 2001 V1.0 – C.C.Winstone 2001	36.2
WinStone 99 V1.3 – High_end winstone99	49.3
WinStone 99 V1.3 – Business winstone99	42.5
<b>Operation System Compatible Test</b>	<b>Result</b>
Linux Red Hat 8.0	Pass

Windows 98SE English / Chinese version	Pass
Windows ME English / Chinese version	Pass
Windows NT workstation 4.0 English version with service pack 6	Pass
Windows NT server 4.0 English version	Pass
Windows NT server 4.0 Chinese ( Simplified character ) version	Pass
Windows 2000 professional English version	Pass
Windows 2000 Server Chinese ( Simplified character ) version	Pass
Windows XP Professional Chinese version	Pass
Windows XP Home Edition English version	Pass
DOS and DOS Utility Compatibility Testing	Pass
<b>Utility and Driver Test</b>	<b>Result</b>
Red hat Linux 8.0 hardware compatible list for VGA	Support
Red hat Linux 8.0 hardware compatible list for LAN	Support
Red hat Linux 8.0 hardware compatible list for Audio	Support
VGA for Windows 98SE (Intel [R] 82845 Graphics Controller / Driver Ver. 4.13.01.3317.)	Pass
VGA for Windows ME (Intel [R] 82845 Graphics Controller / Driver Ver. 0.01.)	Pass
VGA for Windows NT 4.0 (Intel [R] 82845 Graphics Controller / Driver Ver. 4.03.1381.3317,4.0.32)	Pass
VGA for Windows 2000P (Intel [R] 82845 Graphics Controller / Driver Ver. 6.13.1.3317)	Pass
VGA for Windows XP (Intel [R] 82845 Graphics Controller / Driver Ver. 6.13.1.3317)	Pass
LAN for Windows 98SE (Intel [R] 82540EM Based Network Connection / Driver Ver. 6.2.21.0) (Intel [R] PRO/100VE Network Connection / Driver Ver. 6.01.03.0000)	Pass
LAN for Windows ME (Intel [R] 82540EM Based Network Connection / Driver Ver. 6.2.21.0) (Intel [R] PRO/100VE Network Connection / Driver Ver. 6.01.03.0000)	Pass
LAN for Windows NT 4.0 (Intel [R] PRO/1000MT Network Connection / Driver Ver. 6.2.21.0) (Intel [R] PRO/100VE Network Connection / Driver Ver. 6.01.03.0000)	Pass
LAN for Windows 2000P (Intel [R] 82540EM Based Network Connection / Driver Ver. 6.2.21.0) (Intel [R] PRO/100VE Network Connection / Driver Ver. 6.1.3.0)	Pass
LAN for Windows XP (Intel [R] 82540EM Based Network Connection / Driver Ver. 6.2.21.0) (Intel [R] PRO/100VE Network Connection / Driver Ver. 6.01.03.0000)	Pass
Sound for Windows 98SE (Avance AC'97 Audio / Driver Ver. 5.10.4010)	Pass
Sound for Windows ME (Avance AC'97 Audio / Driver Ver. 5.10.4010)	Pass
Sound for Windows NT 4.0 (Avance AC'97 Audio Driver / Driver Ver. 4.03.00.3030)	Pass
Sound for Windows 2000P (Avance AC'97 Audio Driver / Driver Ver. 5.10.0.4010)	Pass
Sound for Windows XP (Avance AC'97 Audio Driver / Driver Ver. 5.10.0.4010)	Pass
<b>Miscellaneous Test</b>	<b>Result</b>
Windows 98 Power manager test	Pass
Windows 2000 Power manager test	Pass
H/W Reset	Pass

Ext. Speaker	Pass
On board buzzer	Pass
HDD LED	Pass
Power LED	Pass
Ext. KB connector	Pass
Watchdog – reset	Pass
Watchdog – Software Programming	Pass
ATX power button	Pass
CPU FAN connector	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
LPT1	Pass
PS2 Keyboard / Mouse	Pass
SIR / 115K bps	Pass

<b>Summary OF Result</b>
<b>Note</b> <sup>1</sup> Memory type only support to DDR266.