



**AAEON Technology INC.**  
ISO-9001/ISO-14001 Certified  
Industrial Automation PCs

# **PCM-6890B**

## **QE Compatibility Test Report**

**Release Date : July. 13, 2000**

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**Issue Stamp**

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**QA Manager**

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**QE Manager**

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**Test Engineer**

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**There are 3 test results in this document; they are described as follows:**

**Pass:** It worked perfectly

**Fail:** Test failed, and to be modified in the next version

**N/A:** Outside of specifications or no test equipment

**The test report would be tested and updated after version changed.**

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# 1. Margin Testing

## System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: NEC D4516821AG5-A10-9NF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> _____ Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rev1.0
O.S. Environment	<input checked="" type="checkbox"/> MSDOS6.22 <input type="checkbox"/> _____
VGA Card	<input checked="" type="checkbox"/> OnBoard <input type="checkbox"/> C&T 69000
DOC Type	M-System DOC2000 <input type="checkbox"/> 4MB <input type="checkbox"/> 8MB <input checked="" type="checkbox"/> 16MB <input type="checkbox"/> 24MB <input type="checkbox"/> __MB

## Test Result:

High Temperature: 2 Hours							
Testing CPU: Celeron 300	<input type="checkbox"/> COM1 LB	<input type="checkbox"/> COM2 LB	<input type="checkbox"/> LPT LB				
Test Program:	<input checked="" type="checkbox"/> Powre ON/OFF	<input type="checkbox"/> AMIDIAG V4.50					
<input checked="" type="checkbox"/> 55°C	<input checked="" type="checkbox"/> 60°C	<input checked="" type="checkbox"/> 65°C	<input type="checkbox"/> 70°C	<input type="checkbox"/> 75°C	<input type="checkbox"/> 80°C	<input type="checkbox"/> 85°C	

Low Temperature: 2 Hours							
Testing CPU:	<input type="checkbox"/> COM1 LB	<input type="checkbox"/> COM2 LB	<input type="checkbox"/> LPT LB				
Test Program:	<input checked="" type="checkbox"/> Powre ON/OFF	<input type="checkbox"/> AMIDIAG V4.50	<input checked="" type="checkbox"/> 5°C	<input checked="" type="checkbox"/> 0°C			
<input type="checkbox"/> -5°C	<input type="checkbox"/> -10°C	<input type="checkbox"/> -15°C	<input type="checkbox"/> -20°C	<input type="checkbox"/> -25°C	<input type="checkbox"/> -30°C	<input type="checkbox"/> -35°C	<input type="checkbox"/> -40°C

## 2 . Stability Testing

### System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4516821AG5-A10-9NF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: PCM-6890B All In One BIOS Rev1.0
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: PCM-6890B USE 69030 VGA CHIP
O.S. Environment	<input checked="" type="checkbox"/> MSDOS6.22 <input type="checkbox"/>
VGA Card	<input checked="" type="checkbox"/> OnBoard <input type="checkbox"/> C&T 69000 / C&T 69030
DOC Type	M-System DOC2000 <input type="checkbox"/> 4MB <input type="checkbox"/> 8MB <input checked="" type="checkbox"/> 16MB <input type="checkbox"/> 24MB <input type="checkbox"/> __MB

### A. Burn-In Testing (24Hours)

Test Condition : Under Room Temp. 25°C

Test Software	Pass	Fail	Note
QAPlus/FE 5.40	✓		

### B. Burn-In Testing (48 Hours)

Test Condition : Burn-In Under Temp. 0°C ~60°C (IEC-68-2-61)

Test Software	Pass	Fail	Note
QAPlus/FE 5.40	✓		

### C. Booting Testing

Test Condition : Under Room Temp. 25°C

Test Method	Actual	Successful	Failure rate	On time	Off Time	Note
Power On/Off 1000 Times	1000	1000	0 %	30 Sec	30 Sec	
KB Reset 20 Times	20	20	0 %	30 Sec	03 Sec	
H/W Reset 1000 Times	1000	1000	0 %	30 Sec	30 Sec	

### D. Burn-In Booting Testing (24 Hours)

Test Condition : Burn-In Under Temp. 0°C ~60°C (IEC-68-2-30)

Test Method	Actual	Successful	Failure rate	On time	Off Time	Note
Power On/Off	1432	1432	0 %	35 Sec	35 Sec	

### 3 . Performance Testing

#### System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rev1.0
O.S. Environment	<input checked="" type="checkbox"/> MSDOS6.22 <input checked="" type="checkbox"/> Windows 98 <input type="checkbox"/> Windows NT <input type="checkbox"/>
VGA Card	<input checked="" type="checkbox"/> OnBoard <input type="checkbox"/> C&T 69000
VGA Memory	<input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> Fuj : K13600AT
Testing Feature	<input type="checkbox"/> 32 bits Transfer <input type="checkbox"/> Block Mode <input checked="" type="checkbox"/> DMA Mode
VGA Testing Mode	1024X768X65566c (For WinStone 99 & WinBench 99)
Driver or Utility	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN

#### Operating System Environment (DOS Mode)

Config.sys	Autoexec.bat
Device=c:\dos\himem.sys dos=high,umb files=35 Buffers=40	Prompt \$p\$g c:\dos\smartdrv.exe /x

#### Testing Software

Testing Utility	CPU Type					Unit
	Celeron MMX 300	Celeron MMX 366	Celeron MMX 400	Celeron MMX 433	Celeron MMX 500	
<b>LandMark Speed 2.0</b>						
CPU	1873.86	2290.30	2498.54	2706.77	3123.23	MHz
FPU	5842.31	7140.78	7789.97	8439.20	9737.56	MHz
VIDEO	5041	5067	5120	5120	5067	Chs/sec
<b>Norton 8.0</b>						
SI	752.1	919.3	1002.8	1086.4	1253.6	ID
<b>Power Meter 2.02</b>						
MIPS Test	142.2	177.7	189.6	218.8	237.0	Mips
<b>WinStone 99</b>						
HighEnd Graphic WinStone 99	17.9	19.8	20.7	21.5	22.8	
Business Graphic Winstone 99	16.8	18.1	18.5	18.8	19.8	
<b>WinBench 99</b>						
H.E. Graphic WinMark 99	190	223	247	253	279	MP/s
Business Graphic WinMark 99	62.3	67.8	83	71.9	72.1	TB/s
CPUMark 32	598	669	706	729	776	
<b>Coretest V3.02</b>						
DTR (Buffered Read)	7024	7344	7408	7408	7664	KB/Sec
Performance ID	52.58	54.49	54.87	54.67	56.39	

**System Information:**

DRAM/SDRAM Capacity & BRAND(DIMM Qty)	■ Brand: SAMSUNG K4S280832B-TC1H ■ 256MB SDRAM ■ Qty: 1
System BIOS Version	■ Award ■ Ver: Rev1.2
O.S. Environment	■ Windows NT
VGA Card	■ OnBoard ■ C&T 69030
VGA Memory	■ 4M
HDD Type	■ Maxtor : 51536U3 ■ 15.3GB
VGA Testing Mode	■ 1024 X 768 X 65566C ■ For WinStone 99 & WinBench 99
Driver or Utility	■ VGA ■ LAN

**Operating System Environment (DOS Mode)**

Config.sys	Autoexec.bat
Device=c:\dos\himem.sys dos=high,umb files=35 Buffers=40	Prompt \$p\$g c:\dos\smartdrv.exe /x

**Testing Software**

Testing Utility	CPU Type			Unit
	Pentium III 600 MHz	Pentium III 750 MHz	Pentium III 850 MHz	
<b>LandMark Speed 2.0</b>				
CPU	3748.18	4685.28	5310	MHz
FPU	11394.92	20910	41820	MHz
VIDEO	16948	16948	16948	Chs/sec
<b>Power Meter 2.02</b>				
MIPS Test	284.4	355.5	406.3	Mips
<b>WinStone 99</b>				
HighEnd Graphic WinStone 99	32.3	36.1	37.8	
Business Graphic Winstone 99	30.1	32.3	33	
<b>WinBench 99</b>				
H.E. Graphic WinMark 99	342	386	408	MP/s
Business Graphic WinMark 99	76.7	79.7	81.2	TB/s
CPUMark 99	55.3	66.4	74.6	
<b>Coretest V3.02</b>				
DTR (Buffered Read)	9552	10128	10144	KB/Sec
Performance ID	65.18	68.25	68.71	

## 4 . Power Consumption

### System Information:

DRAM Type & Capacity	NEC D4564841G5-A10-9JF 128M SDRAM
VGA Card	OnBoard C&T 69000
DOC or Floppy	M-System DOC2000
VGA Testing Mode	Blank Screen
O.S.	DOS 6.22

### Operating System Environment (DOS Mode)

Config.sys	Autoexec.bat
Device=c:\dos\himem.sys dos=high,umb files=35 Buffers=40	Prompt \$p\$g c:\dos\smartdrv.exe /x

### Test Software (DOS Mode):

Test Software	Landmark Speed V.2.0(Speed200.exe)
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### Test Result:

Mode Type	CPU Type					Unit
	Celeron 300	Celeron 366	Celeron 400	Celeron 433	Celeron 500	
Normal Mode(+5V)	4.44	4.74	5.12	5.24	5.68	amp/max
Doze Mode(+5V)	4.24	4.5	4.88	5.00	5.18	amp/max
Standby Mode(+5V)	4.24	4.44	4.82	5.00	5.18	amp/max
Suspend Mode(+5V)	2.18	2.18	2.24	2.24	2.24	amp/max
HD Power Down(+5V)	2.18	2.18	2.24	2.24	2.24	amp/max
Normal Mode(+3.3V)	0.5	0.5	0.5	0.38	0.44	amp/max
Normal Mode(+12V)	0.5	0.56	0.5	0.5	0.62	amp/max

**System Information:**

SDRAM Type & Capacity	SAMSUNG K4S280832B-TC1H 256MB SDRAM
VGA Card	OnBoard C&T 69030
DOC or Floppy	M-System DOC2000
VGA Testing Mode	Blank Screen
O.S.	DOS 6.22

**Operating System Environment (DOS Mode)**

Config.sys	Autoexec.bat
Device=c:\dos\himem.sys dos=high,umb files=35 Buffers=40	Prompt \$p\$g c:\dos\smartdrv.exe /x

**Test Software (DOS Mode):**

Test Software	Landmark Speed V.2.0(Speed200.exe)
---------------	------------------------------------

**Test Result:**

Mode Type	CPU Type			Unit
	Pentium III 600 MHz	Pentium III 750 MHz	Pentium III 850 MHz	
Normal Mode(+5V)	2.8	3.47	3.94	amp/max
Doze Mode(+5V)	2.65	3.2	3.67	amp/max
Standby Mode(+5V)	2.65	3.2	3.67	amp/max
Suspend Mode(+5V)	1.35	1.52	1.64	amp/max

Note :

- 1.SUSPEND Mode all function off.
- 2.The unit of current is A .



## 5 . Hardware Compatibility

### A. Component Compatibility- CPU

#### CPU Device List:

Brand	Device Model	Pass	Fail	Note
Intel	Celeron Socket 370 300MHz	✓		
Intel	Celeron Socket 370 366MHz	✓		
Intel	Celeron Socket 370 400MHz	✓		
Intel	Celeron Socket 370 433MHz	✓		
Intel	Celeron Socket 370 500MHz	✓		
Intel	Pentium III 600MHz Socket	✓		

### B. Component Compatibility- DRAM DIMM Module

#### DRAM SIMM Model List:

Brand	Device Model	Pass	Fail	Note
NEC	D4564163G5-A10B-9JF 64M	✓		
NEC	D4564841G5-A10-9JF 128M	✓		
NEC	D4564841G5-A80-9JF 64M	✓		
Mitsubishi	M5M4V16S30DTP 32M	✓		
Mitsubishi	M2V64S40BTP 32M	✓		
NEC	D45128841G5-A10-9JF 256M	✓		
SIEMENS	HYB39S16800AT-10 32M	✓		
Hyndai	HY57V168010D TC-10S 32MB	✓		
NEC	D4516821AG5-A10-9NF 32MB	✓		
NEC	D4564841G5 A80-9JF 64MB	✓		
NEC	D4516821AG5-A10-9NF 16MB	✓		
Hitachi	HM5216805T10H16M 16MB	✓		
Micron	MT48LC2M8A1 32MB	✓		
Hyndai	HY57V1291620 LTC-10S 64MB	✓		
NEC	D4564841G5 A80-9JF 128MB	✓		
Hyndai	HY57V658020 TC-10 128MB	✓		
Hitachi	5264805DTTA60 64MB	✓		
LGS	GM72V661641CT7J 64MB	✓		

### C. Adapter Compatibility- VGA Card

#### VGA Adapter List:

Brand	Device Model	Pass	Fail	Note
On Board	C&T 69000	✓		
On Board	C&T 69030	✓		
VGA Card	S3/Trio64 V2	✓		
VGA Card	S3 Vision 968	✓		
VGA Card	3D Blaster Savage4	✓		

**D. Adapter Compatibility- LAN Card****Action:**

1. Load ODI Driver (Lsl,lpxodi,Vlm Or Netx)	2. Login To Server System
3. Transfer Data Between SRV And WK(Mulity Task)	4. logout

**LAN Adapter List:**

Brand	Device Model	Pass	Fail	Note
OnBoard	Intell 82559 100Mbps	✓		
D-Link	DFE-540TX	✓		
D-Link	DFE-500TX	✓		
Surecom	DEC21140	✓		
Intel	S82557	✓		
Intel	SB82558B	✓		
3COM	3C905	✓		
3COM	3C905B	✓		
Realtek	RTL8139	✓		

**E. Adapter Compatibility- SCSI Card****SCSI Adapter List:**

Brand	Device Model	Pass	Fail	Note
SCSI Adapter	AHA-2940UW	✓		
SCSI Adapter	AHA-2940U2WK ULTRA-2-WIDE	✓		

**F. Adapter Compatibility- Other Card****Adapter Card List:**

Brand	Device Model	Pass	Fail	Note
<b>MPEG Card</b>				
YUAN	PCI DVD MPEG-2 Playback card MPG-200C	✓		
<b>Sound Card</b>				
OnBoard	ESS ES 1938S	✓		

## G. Adapter Compatibility- Industry Control Card

### Industry Control Adapter List:

Brand	Device Model	Pass	Fail	Note
<b>104 Module</b>				
AAEON	PCM-3820 rev. C (SSD)	✓		
AAEON	PCM-3840-BARE (DOC 2000 SSD)	✓		
AAEON	PCM-3110 (PCMCIA MASTER)		✓	
AAEON	PCM-3111 (PCMCIA MASTER))		✓	
AAEON	PCM-3420 (SCSI)	✓		

## H. Peripheral Compatibility-HDD Device

### HDD List:

Brand	Device Model	Pass	Fail	Note
Quantum	K13600AT 13GB	✓		
IBM	DHEA-34330 4.3GB	✓		
Maxtor	83240D4 3.2GB	✓		
Maxtor	ST32A013 3.2GB	✓		
Westren Digital	AC28400 8.4GB	✓		
Seagate	ST32155W (SCSI)	✓		
Seagate	ST34520LW (SCSI)	✓		
Maxtor	51536U3	✓		

## I. Peripheral Compatibility- Storage Device

### Device List:

Brand	Device Model	Pass	Fail	Note
<b>CD/ROM</b>				
TEAC	CD-532E 32X	✓		
NEC	CDR-1901A 32X	✓		
Pioneer	DVD-A035	✓		
MITSUMI	CRMC-FX4824T	✓		
<b>ZIP</b>				
IOMEGA	ZIP 100MB Parallel Port	✓		
IOMEGA	ZIP 100MB USB Port	✓		
<b>LS-120</b>				
LS-120	LKM-F934-1	✓		
<b>Fax/Modem</b>				
Modem	LEMEL 33.6 FAX/MODEM	✓		
Modem	Rock Cyber Lander 2000 56K	✓		

**J. Peripheral Compatibility- Others****Device List:**

Brand	Device Model	Pass	Fail	Note
<b>RS-232 Port</b>				
Winsd.exe	Loop back	✓		
<b>RS-485 Port</b>				
Adam	ADAM-4011	✓		
<b>RS-422 Port</b>				
Winsd.exe	Loop back	✓		
<b>USB Port</b>				
Scanner	HP SJ4200C	✓		
ZIP	IOMEGA ZIP 100MB	✓		
Mouse	Dexin 800dpi A2U800A	✓		
Camera	Vcam Capture	✓		
Camera	Tekcam P35u	✓		
Keyboard	BTC 7932	✓		
Printer	HP PhotoSmart P1000	✓		
Modem	D-Link DU-560M	✓		
USB HUB	D-Link DU-H4	✓		
<b>Parallel Port</b>				
HP	PhotoSmart P1000 Printer	✓		
ZIP	IOMEGA ZIP 100MB Parallel Port	✓		
MP3 radio	IMars Digital Stereo Player	✓		
<b>IR</b>				
ACTiSYS	ACT-IR210L	✓		VGA 69000
ACTiSYS	ACT-IR210L	✓		VGA 69030
<b>Watch Dog</b>				
Program	Nw977wd1~5	✓		
Program	Nw977wd1~5	✓		

**K. Peripheral Compatibility- Input Device****Input Device List:**

Brand	Device Model	Pass	Fail	Note
<b>Keyboard</b>				
Acer	6311-TW	✓		
Acer	6511-TW	✓		
BTC	7932	✓		
<b>Mouse</b>				
Dexin	Mouse	✓		
Logitech	Mouse Man	✓		
Microsoft	Serial Mouse	✓		
Genius	NET Mouse	✓		

**L. On Board Network Hardware (physical) Compatibility****System Information(Client Site):**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
SYSTEM BIOS Ver.	<input checked="" type="checkbox"/> AWARD <input type="checkbox"/> AMI Ver: Rev1.0
O.S. Environment	<input checked="" type="checkbox"/> DOS6.22 <input type="checkbox"/> WINNT <input type="checkbox"/> NOVELL
VGA Card	<input checked="" type="checkbox"/> OnBoard C&T 69000
POWER SUPPLY	<input type="checkbox"/> MPU-250W <input type="checkbox"/> SSH-250G <input checked="" type="checkbox"/> AX2-5250F <input type="checkbox"/> ST-250AF
IDE HDD TYPE	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> Fuj <input type="checkbox"/> IBM : K13600AT
SCSI HDD TYPE	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj <input type="checkbox"/> IBM:
LAN CARD	<input checked="" type="checkbox"/> OnBoard: Intel 82559
CD-ROM TYPE	<input checked="" type="checkbox"/> NEC <input type="checkbox"/> PANASONIC <input type="checkbox"/> PIONEER <input type="checkbox"/> CREATIVE : CDR-1901A 32X
Cable/Cable Length	

**System Information(Server Site):**

Board System	<input checked="" type="checkbox"/> NOVELL V 4.11
DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64MB <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRA <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
SYSTEM BIOS Ver.	<input checked="" type="checkbox"/> AWARD <input type="checkbox"/> AMI Ver: Rev1.0
VGA Card	<input checked="" type="checkbox"/> OnBoard C&T 69000
O.S. Environment	<input type="checkbox"/> DOS6.22 <input type="checkbox"/> WINNT <input checked="" type="checkbox"/> NOVELL 4.11
IDE HDD TYPE	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj <input type="checkbox"/> IBM <input checked="" type="checkbox"/> WD : AC28400
SCSI HDD TYPE	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj <input type="checkbox"/> IBM:
LAN CARD	<input checked="" type="checkbox"/> OnBoard: Intel 82559
CPU Type	<input checked="" type="checkbox"/> Celeron 500
CD-ROM TYPE	<input type="checkbox"/> NEC <input type="checkbox"/> PANASONIC <input type="checkbox"/> PIONEER <input type="checkbox"/> CREATIVE <input checked="" type="checkbox"/> TEAC:CD-532E
Cable/Cable Length	

**HUB Type:****Test Result:**

SUBJECT	Network Hardware Function Testing			
Test Item	Pass	Fail	Note	
Transceiver	✓			
Receiver	✓			
CRC error	✓			
Collision back-off generation	✓			
Auto-negotiation	✓			
100M Base-TX half duplex	✓			
10M Base-TX half duplex	✓			
SUBJECT	Network Operation System Function Testing			
Test Item	Pass	Fail	Note	
NetWare 4.11	✓			
Windows NT 4.0	✓			
SUBJECT	Network Performance Testing			
Test Item	Result	Note		
NWTEST 24HR	Pass			

<b>SUBJECT</b>	<b>Workstation Application Function Testing</b>		
<b>Test Item</b>	<b>Pass</b>	<b>Fail</b>	<b>Note</b>
Dos 6.22 for IPXODI	✓		
Dos 6.22 for package driver	✓		
Windows 3.1 for IPXODI	✓		
Windows 3.1 for package driver	✓		
Windows 98 for IPX/SPX	✓		
Windows 98 for NetBEUI	✓		
Windows 98 for TCP/IP	✓		
Windows NT 4.0 for IPX/SPX	✓		
Windows NT 4.0 for NetBEUI	✓		
Windows NT 4.0 for TCP/IP	✓		
Transfer Data Between SRV And WK	✓		

## 6 . Software Compatibility

### A. O.S. Compatibility-OS/2 Warp 4.0 (English Version)

#### System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Cache Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rev1.0
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celeron 500 MHz
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> Fuj : Big-Foot TX4000AT
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> TEAC : CD-532E
Driver or Utility	<input type="checkbox"/> VGA <input type="checkbox"/> HDD <input type="checkbox"/> Others :

#### Test Results:

Test Item	Pass	Fail	Note
<b>Installation From CD-ROM + Boot-Disk</b>			
Install to IDE HDD	✓		Testing CPU: Celeron 500MHz
SCSI HDD with AHA-1542 <input type="checkbox"/> CP <input type="checkbox"/> CF			Testing CPU:
SCSI HDD with AHA- <input type="checkbox"/> 2940UW <input type="checkbox"/> 2940W			Testing CPU:
<b>Boot</b>			
Boot to DOS	✓		
Boot to OS/2 (FAT)	✓		
Boot Up - Without K.B.	✓		
Shutdown	✓		
<b>Function Test</b>			
Task Switching	✓		
Multi-Task Test	✓		
System Clock	✓		
<b>Command Prompts Test</b>			
WIN-OS/2 Full Screen	✓		
WIN-OS/2 Windows	✓		
OS/2 Full Screen	✓		
OS/2 Windows	✓		
DOS Full Screen	✓		
DOS Windows	✓		
<b>Keyboard Function Test</b>			
Ctrl+Alt+Del	✓		
Alt+Tab	✓		
Alt+Esc	✓		
Ctrl+Esc	✓		
Alt+F4	✓		
<b>Burn Test</b>			
OS/2 Burning 12 Hours	✓		

**B. O.S. Compatibility-Linux RedHat 6.0 + CLE 0.8****System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Cache Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rav1.0
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celeron 433MHz
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj <input checked="" type="checkbox"/> WD: AC28400
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> TEAC : CD-532E
Driver or Utility	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN

**Test Results:**

Test Item	Pass	Fail	Note
<b>Subject</b> Installing to HDD			
Install from IDE HDD			Testing CPU:
Install from CD-ROM	✓		Testing CPU: Celeron 433
<b>Subject</b> Funtion Test			
Network Funtion	✓		
LinuxConf	✓		
<b>Subject</b> Base Funtion			
Another Lederal	✓		
Default	✓		
Failsafe	✓		
Gnome	✓		
KDE	✓		
Reboot	✓		
Logout	✓		
Halt	✓		
<b>Subject</b> Xf86config Setup			
Mouse setup	✓		
VGA setup	✓		
Monitor resolution setup	✓		
<b>Subject</b> X Windows Funtion			
Xclock	✓		
Netscape 4.51	✓		
CLE AP	✓		
Ctrl+alt+back space	✓		
Ctrl+alt+F1	✓		
Ctrl+alt+F7	✓		
<b>Subject</b> Xterm Funtion			
chdrv	✓		
mc	✓		
adduser	✓		
ls, cp, rm, mv	✓		
mkdir, rmdir	✓		



## C. O.S. Compatibility-Novell Network O.S./V 4.11

## System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Cache Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rav1.0
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celeron 500MHz
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> Fuj : Big-Foot TX4000AT
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> TEAC : CD-532E
Driver or Utility	<input type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN

## Test Results:

Test Item	Pass	Fail	Note
<b>Server Function Testing</b>			
Install to IDE HDD	✓		Testing CPU: Celeron 500
SCSI HDD with AHA-1542 <input type="checkbox"/> CP <input type="checkbox"/> CF			Testing CPU:
SCSI HDD with AHA- <input type="checkbox"/> 2940UW <input type="checkbox"/> 2940W			Testing CPU:
Boot File Server From HDD	✓		
Down & Exit	✓		
Data Transfer	✓		
<b>Workstation Function Testing</b>			
Install to IDE HDD	✓		Testing CPU: Celeron 433
Install With SCSI Aha-1542 <input type="checkbox"/> CP <input type="checkbox"/> CF			Testing CPU:
Install With SCSI Aha- <input type="checkbox"/> 2940UW <input type="checkbox"/> 2940W			Testing CPU:
Login	✓		
Logout	✓		
Data Transfer	✓		

**D. O.S. Compatibility-Windows 3.1****System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Cache Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rev1.0
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celrron 366 MHz
HDD Type	<input checked="" type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj : 83240D4
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> TEAC: CD-532E
Driver or Utility	<input type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN

**Test Results:**

Test Item	Pass	Fail	Note
<b>Installation From FDD</b>			
Install to IDE HDD	✓		Testing CPU: Celeron 366
SCSI HDD with AHA-1542 <input type="checkbox"/> CP <input type="checkbox"/> CF Card			Testing CPU:
SCSI HDD with AHA- <input type="checkbox"/> 2940UW <input type="checkbox"/> 2940W			Testing CPU:
<b>Keyboard Function Test</b>			
Ctrl+Alt+Del	✓		
Alt+Tab	✓		
Alt+Esc	✓		
Alt-F4	✓		
<b>Function Test</b>			
Virtual Memory	✓		
System Clock	✓		
DOS Prompt	✓		
Real Mode & Protect Mode Switch	✓		
Task Switching	✓		
FDD Format/Copy/Read/Write	✓		
Serial Mouse	✓		
PS/2 Mouse	✓		

**E. O.S. Compatibility-Windows 95****System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Cache Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rev1.0
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celeron 300 MHz
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj <input checked="" type="checkbox"/> WD: AC28400
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> TEAC: CD-532E
Driver or Utility	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN

**VGA Driver Testing:**

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16					
	256			✓		
	64K			✓		
	16.7M			✓		
800X600	16					
	256	✓	✓	✓		
	64K	✓	✓	✓		
	16.7M	✓	✓	✓		
1024X768	256	✓	✓	✓		
	64K	✓	✓	✓		

**Test Results:**

Test Item	Pass	Fail	Note
<b>Installation From CD/ROM</b>			
Install English to IDE HDD	✓		Testing CPU:Celeron 300 MHz
Install Japanese to IDE HDD	✓		Testing CPU:Celeron 300 MHz
Install Traditional Chinese to IDE HDD	✓		Testing CPU:Celeron 300 MHz
SCSI HDD with AHA-1542 <input type="checkbox"/> CP <input type="checkbox"/> CF			Testing CPU:
SCSI HDD with AHA- <input type="checkbox"/> 2940UW <input type="checkbox"/> 2940W			Testing CPU:
<b>Boot</b>			
Boot Normal	✓		
Boot Logged (\BOOTLOG.TXT)	✓		
Boot Safe Mode	✓		
Boot Safe Mode & Network	✓		
Boot Step By Step Confirmation	✓		
Boot Command Prompt Only	✓		
Boot Safe Mode Command Prompt	✓		
<b>Function Test</b>			
Serial Mouse	✓		
FDD Format/Copy/Read/Write	✓		
PS/2 Mouse	✓		
System Clock	✓		

<b>Keyboard Function Test</b>			
<b>Alt+F4 Quit a Program</b>	✓		
<b>Ctrl+Esc Display the Start Menu</b>	✓		
<b>Alt+Tab Switch To Last Windows</b>	✓		
<b>Ctrl+Alt+Del Close Program</b>	✓		
<b>F8 Start up Boot Up Menu</b>	✓		
<b>F4 Boot Up from Previous</b>	✓		
<b>Shutdown</b>			
<b>Shutdown the Computer</b>	✓		
<b>Shutdown Restart</b>	✓		
<b>Shutdown to MS-DOS Mode</b>	✓		
<b>Close all Prog. &amp; Login Other User</b>	✓		

**F. O.S. Compatibility-Windows 98****System Information:**

<b>DRAM/SDRAM Capacity &amp; BRAND(SIMM Qty)</b>	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
<b>Cache Memory Capacity &amp; Brand</b>	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
<b>System BIOS Version</b>	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rev1.0
<b>VGA Card &amp; BIOS</b>	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
<b>VGA Memory Capacity &amp; Brand</b>	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
<b>CPU Type</b>	Celeron 400 MHz
<b>HDD Type</b>	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> Fuj : K13600AT
<b>CD-ROM Type</b>	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> TEAC : CD-532E
<b>Driver or Utility</b>	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN; SOUND

**VGA Driver Testing:**

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16					
	256			✓		
	64K			✓		
	16.7M			✓		
800X600	16					
	256			✓		
	64K			✓		
	16.7M			✓		
1024X768	256			✓		
	64K			✓		
1280X1024	256			✓		
1600X1200	256			✓		

**Test Results:**

Test Item	Pass	Fail	Note
<b>Installation From CD/ROM</b>			
Install English to IDE HDD	✓		Testing CPU:Celeron 400 MHz
Install Japanese to IDE HDD	✓		Testing CPU:Celeron 400 MHz
Install Traditional Chinese to IDE HDD	✓		Testing CPU:Celeron 400 MHz
SCSI HDD with AHA-1542 <input type="checkbox"/> CP <input type="checkbox"/> CF			Testing CPU:
SCSI HDD with AHA- <input type="checkbox"/> 2940UW <input type="checkbox"/> 2940W			Testing CPU:
<b>Boot</b>			
Boot Normal	✓		
Boot Logged (\BOOTLOG.TXT)	✓		
Boot Safe Mode	✓		
Boot Step By Step Confirmation	✓		
Boot Command Prompt Only	✓		
Boot Safe Mode Command Prompt	✓		
<b>Function Test</b>			
Serial Mouse	✓		
FDD Format/Copy/Read/Write	✓		
PS/2 Mouse	✓		
System Clock	✓		
<b>Keyboard Function Test</b>			
Alt+F4 Quit a Program	✓		
Ctrl+Esc Display the Start Menu	✓		
Alt+Tab Switch To Last Windows	✓		
Ctrl+Alt+Del Close Program	✓		
F8 Start up Boot Up Menu	✓		
F4 Boot Up from Previous	✓		
<b>Shutdown</b>			
Shutdown the Computer	✓		
Shutdown Restart	✓		

## F-1. Microsoft Windows 98 Hardware Compatibility Test(HCT)

### System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D45128841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Cache Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
System BIOS Version	<input checked="" type="checkbox"/> AWARD <input type="checkbox"/> AMI Ver: Rev1.0
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celeron 433 MHz
HDD Type	<input checked="" type="checkbox"/> WD <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj : AC28400
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input checked="" type="checkbox"/> TEAC : CD-532E
Keyboard TYPE	ACER TW-6311
FDD TYPE	Panasonic JU-257A606P
Mouse	PS/2 mouse
LAN CARD	OnBoard Intell 82559
Driver or Utility	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN

### Test Result:

HCT 7.6 Features Test	Pass	Fail	Remark
Virtual Dos Mach	✓		
DMPS Test	✓		
Video Playback	✓		
Extended BIOS Parameter Block	✓		
MCI CD Test		✓	
BCT API Test	✓		
INT 13 Extension	✓		
Disk(Stress) Individual Drive	✓		
Disk -CD (Stress)		✓	
Disk (Stress)	✓		
Coprocessor(Stress)	✓		
Net Class Dynamic	✓		
PCI I/O Space	✓		
PCI 2.1 (BIOS)	✓		
PCI 2.1 (Card)		✓	
Unreported I/O	✓		
Unreported Memory	✓		
PnP BIOS	✓		
APM 1.2	✓		
Media Class Dynamic Config		✓	
Wave Drift	✓		

## G. O.S. Compatibility-Windows NT R4.0

**System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Cache Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rav1.0
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celeron 366 MHz
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj <input checked="" type="checkbox"/> IBM : DHEA-34330
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> TEAC : CD-532E
Driver or Utility	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN; SOUND

**VGA Driver Testing:**

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16					
	256			✓		
	64K			✓		
	16.7M			✓		
800X600	16					
	256	✓	✓	✓		
	64K	✓	✓	✓		
	16.7M	✓	✓	✓		
1024X768	256	✓	✓	✓		
	64K	✓	✓	✓		
1280X1024	256	✓	✓	✓		

**Test Results:**

Test Item	Pass	Fail	Note
<b>Installation From CD-ROM</b>			
Install English to IDE HDD	✓		Testing CPU:Celeron 366 MHz
Install Japanese to IDE HDD	✓		Testing CPU:Celeron 366 MHz
SCSI HDD with AHA-1542 <input type="checkbox"/> CP <input type="checkbox"/> CF			Testing CPU:
SCSI HDD with AHA- <input type="checkbox"/> 2940UW <input type="checkbox"/> 2940W			Testing CPU:
SCSI HDD			
SCSI CD-ROM Drive			
<b>Boot</b>			
Boot to Windows NT	✓		
Boot to MS-DOS	✓		
Last known good configuration	✓		
Shutdown	✓		
Shutdown & Restart	✓		
<b>CPU/Memory/File System</b>			
Memory size less than 64MB	✓		
Memory size Larger than 64MB	✓		
FAT	✓		
Network	✓		
Task switching	✓		

<b>Function Test</b>
----------------------



<b>FDD Format/Copy/Read/Write</b>	✓		
<b>PS/2 Mouse</b>	✓		
<b>System Clock</b>	✓		
<b>Keyboard Function Test</b>			
<b>CapLock,NumLock,ScrLock</b>	✓		
<b>Ctrl+Alt+Del</b>	✓		
<b>Ctrl+Esc</b>	✓		
<b>Alt+Tab,Alt+Esc,Alt+Space</b>	✓		
<b>COM Port</b>			
<b>Serial Mouse</b>	✓		
<b>Security/Audit/Control</b>			
<b>User manager</b>	✓		
<b>Disk administrator</b>	✓		
<b>Performance monitor</b>	✓		
<b>User profile editor</b>	✓		
<b>Event Viewer</b>	✓		
<b>Windows NT Diagnostics</b>	✓		

**H. O.S. Compatibility-Windows 2000 Professional****System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
Cache Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> PB <input checked="" type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/>
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: Rev1.0
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard C&T 69000 <input type="checkbox"/> BIOS:
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celeron 500 MHz
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> Fuj : K13600AT
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> TEAC : CD-532E
Driver or Utility	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : LAN; SOUND

**VGA Driver Testing:**

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16					
	256			✓		
	64K			✓		
	16.7M			✓		
800X600	16					
	256			✓		
	64K			✓		
	16.7M			✓		
1024X768	256			✓		
	64K			✓		
1280X1024	256			✓		

**Test Results:**

Test Item	Pass	Fail	Note
<b>Installation From CD/ROM</b>			
Install English to IDE HDD	✓		Testing CPU:Celeron 433 MHz
Install Traditional Chinese to IDE HDD	✓		Testing CPU:Celeron 500 MHz
SCSI HDD with AHA-1542 <input type="checkbox"/> CP <input type="checkbox"/> CF			Testing CPU:
SCSI HDD with AHA- <input type="checkbox"/> 2940UW <input type="checkbox"/> 2940W			Testing CPU:
<b>Windows 2000 Advanced Options Menu</b>			
Safe Mode	✓		
Safe Mode with Networking	✓		
Safe Mode with Command Prompt	✓		
Enable Boot Logging	✓		
Enable VGA Mode	✓		
Last known Good Configuration	✓		
Directory Services Restore Mode (windows 2000 domain controllers only)	✓		
Debugging Mode	✓		
Boot Normally	✓		
Return to OS Choices Menu	✓		

<b>Function Test</b>			
<b>Serial Mouse</b>	✓		
<b>FDD Format/Copy/Read/Write</b>	✓		
<b>PS/2 Mouse</b>	✓		
<b>System Clock</b>	✓		
<b>Keyboard Function Test</b>			
<b>Alt+F4 Quit a Program</b>	✓		
<b>Ctrl+Esc Display the Start Menu</b>	✓		
<b>Alt+Tab Switch To Last Windows</b>	✓		
<b>Alt+Esc Switch Windows</b>	✓		
<b>Ctrl+Alt+Del Windows Security Window</b>	✓		
<b>F8 Start up Windows 2000 Advanced Options Menu Menu</b>	✓		
<b>Shutdown</b>			
<b>Log off User</b>	✓		
<b>Shut down</b>	✓		
<b>Restart</b>	✓		

## 7 . Display Drivers Compatibility

### A. VGA CHIP –C&T 69030

O.S. --Windows 98

#### System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: PCM-6890B USE 69030 VGA CHIP
VGA Card	<input checked="" type="checkbox"/> OnBoard C&T 69030
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input type="checkbox"/> 2M <input checked="" type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Pentium III 600MHz
HDD Type	<input checked="" type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj <input type="checkbox"/> WD: 51536U3
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input checked="" type="checkbox"/> MITSUMI:CRMC-FX4824T
MONITOR	ViewSonic : E70
Driver or Utility	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input type="checkbox"/> Others :

#### VGA Driver Testing:

Current Mode		Font Size		Display Device	Screen Saver			Result
Resolution	Colors	Small	Large	CRT	Screen Saver	Turn off Monitor	Turn off Haed disk	
640X480	256	✓	N/A	✓	1 Minute	2 Minutes	3 Minutes	Pass
	High Color (16bit)	✓	N/A	✓	1 Minute	2 Minutes	3 Minutes	Pass
	True Color (24bit)	✓	N/A	✓	1 Minute	2 Minutes	3 Minutes	Pass
800X600	256	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	High Color (16bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	True Color (24bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
1024X768	256	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	High Color (16bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	True Color (24bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
1280X1024	256	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	High Color (16bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	True Color (24bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
1600X1200	256	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass

**B. VGA CHIP –C&T 69000**

O.S. --Windows 98

**System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4564841G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: PCM-6890B All In One BIOS Rev1.0
VGA Card	<input checked="" type="checkbox"/> OnBoard C&T 69000
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>
CPU Type	Celeron 450 MHz
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> Fuj <input type="checkbox"/> WD: K13600AT
CD-ROM Type	<input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input checked="" type="checkbox"/> TEAC CD-532E
MONITOR	ViewSonic : E70
Driver or Utility	<input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input type="checkbox"/> Others :

**VGA Driver Testing:**

Current Mode		Font Size		Display Device	Screen Saver			
Resolution	Colors	Small	Large	CRT	Screen Saver	Turn off Monitor	Turn off Haed disk	Result
640X480	256	✓	N/A	✓	1 Minute	2 Minutes	3 Minutes	Pass
	High Color (16bit)	✓	N/A	✓	1 Minute	2 Minutes	3 Minutes	Pass
	True Color (24bit)	✓	N/A	✓	1 Minute	2 Minutes	3 Minutes	Pass
800X600	256	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	High Color (16bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	True Color (24bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
1024X768	256	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
	High Color (16bit)	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
1280X1024	256	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass
1600X1200	256	✓	✓	✓	1 Minute	2 Minutes	3 Minutes	Pass