



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

# **GENE-4310T**

## **QE Compatibility Test Report**

**Release Date : Spe. 16, 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 : D4516821AG5-A10-9JF <input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" type="checkbox"/> SODIMM <input type="checkbox"/>	<input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128MB 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 : V4.51 PG	
O.S. Environment	<input checked="" type="checkbox"/> MSDOS6.22 <input type="checkbox"/>	
VGA Card	<input checked="" type="checkbox"/> Onboard Cyrix CX5530	
DOC Type	TEAC FD-235HF	

Note : The blackened box means the item be used in testing.

## A. Power Margin Test :

High / Low Voltage : 2 Hours / 25°C

Test CPU : Cyrix Media GX 200

Voltage	Test Program		Result		Note
	QAPLus/ FE V5.4	AMIDIAG 4.50	Pass	Fail	
5.30V	V		V		
5.25V	V		V		
5.20V	V		V		
4.80V	V		V		
4.75V	V		V		
4.70V	V		V		

## B. Temperature Margin Test :

High / Low Voltage : 2 Hours

Test CPU : Cyrix Media GX 200

Temperature	Test Program		Result		Note
	QAPLus/ FE V5.4	AMIDIAG 4.50	Pass	Fail	
60 °C	V		V		
55 °C	V		V		
5 °C	V		V		
0 °C	V		V		

Note : QAPLus 5.4 is running in hddisk and skip NPU testing item

SODIMM type : NEC D4516821AG5-A10-9JF

HDD type : WD AC26400 6.4GB

CPU : NS Geode GXLV 233

## 2 . Stability Testing

### System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4516821AG5-A10-9NF <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" 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: V 4.51 PG
O.S. Environment	<input checked="" type="checkbox"/> MSDOS6.22 <input type="checkbox"/>
VGA Card	<input checked="" type="checkbox"/> OnBoard Cyrix CX5530
FDD Type	TEAC FD-235HF

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

Test Condition : Under Room Temp. 25°C

Test Software	Pass	Fail	Note
QAPlus/FEV5.4	✓		

### 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/FEV5.4	✓		

### C. Booting Testing

Test Condition : Under Room Temp. 25°C

Test Method	Actual	Successful	Failure rate	On time	Off Time	Note
Power On/Off 1000Times	1000	1000	0 %	5 Sec	3 Sec	
KB Reset 20 Times	20	20	0 %	5 Sec	3 Sec	

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

Test Condition : Burn-In Under Temp. -10°C ~ 70°C (IEC-68-2-30)

Test Method	Actual	Successful	Failure rate	On time	Off Time	Note
Power On/Off	812	812	0 %	60 Sec	40 Sec	
H/W Reset			%	Sec	Sec	

**Note : QAPLuse 5.4 is running in harddisk and skip NPU testing item**  
**SODIMM type : NEC D4516821AG5-A10-9NF**  
**HD type : WD AC26400 6.4G**  
**CPU: NS Geode GXLV 233**

## 3 . Performance Testing

### System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: NEC D45128163G5-A80-9JF <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 type="checkbox"/> SDRAM <input checked="" 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: V 4.51 PG
O.S. Environment	<input checked="" type="checkbox"/> MSDOS6.22 <input checked="" type="checkbox"/> Windows 98 <input type="checkbox"/> Windows NT
VGA Card	<input checked="" type="checkbox"/> OnBoard Cyrix CX5530
VGA Memory	<input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2.5M <input type="checkbox"/> 4M <input type="checkbox"/>
HDD Type	<input type="checkbox"/> Max <input checked="" type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj : ST34311A 4.3GB
Testing Feature	<input type="checkbox"/> 32 bits Transfer <input checked="" type="checkbox"/> Block Mode <input type="checkbox"/> DMA Mode
VGA Testing Mode	1024X768X256c (For WinStone & WinBench)
Driver or Utility	<input type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : MediaGX 4.0

### 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	NS CPU Type			Unit
	Geode GXLV 233B	Geode GX1 300B	Geode GX1 233B	
<b>LandMark Speed 2.0</b>				
CPU	982.56	1167.32	982.56	MHz
FPU	2638.20	3135.62	2638.20	MHz
VIDEO	17873	20915	17873	Chs/sec
<b>Norton 8.0</b>				
SI	606.6	736.7	606.6	ID
<b>Power Meter 2.02</b>				
MIPS Test	91.7	109.4	91.8	Mips
<b>WinStone</b>				
HighEnd Graphic WinStone_99_				
Business Graphic Winstone_99_	7.64	9.22	7.67	
<b>WinBench_99</b>				
H.E. Graphic WinMark	84.9	110	84.9	MP/s
Business Graphic WinMark	29.2	37.6	29.2	TB/s
CPUmark 99	7.48	9.78	7.48	
FPUmark 99	379	493	379	
<b>Coretest V3.02</b>				
DTR (Buffered Read)	7888	7961	7888	KB/Sec
Performance ID	52.13	53.49	52.13	
<b>Wintech V1.2</b>				
Overall WinTach RPM	145.15	175.07	145.15	

## 4 . Power Consumption

### System Information:

DRAM Type & Capacity	NEC D45128163G5-A80-9JF 128MB
VGA Card	Cyrix CX5530
DOC or Floppy	Floppy
VGA Testing Mode	800X600
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	NS CPU Type				Unit
	Geode GXLV 233B	Geode GX1 300B	Geode GX1 233B		
Normal Mode(+5V)	1.85	2.1	1.85		amp/max
Doze Mode(+5V)	1.1	1.1	0.9		amp/max
Sleep Mode(+5V)	1.0	1.0	0.9		amp/max

#### Note :

- 1.STANDBY Model 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
NS	Geode GXLV 233 MHz	✓		

### B. Component Compatibility- DRAM SO-DIMM Module

#### DRAM SO-DIMM Model List:

Brand	Device Model	Pass	Fail	Note
NEC	D4516821AG5-A10-9NF 16MB PC-100	✓		
NEC	D4564163G5-A10-9JF 32MB PC-100	✓		
NEC	D4564163G5-A10-9JF 64MB PC-100	✓		
NEC	D45128163G5-A80-9JF 128MB PC-100			
Siemens	HYB39S64160AT-8 64MB PC-100	✓		
Toshiba	TC59SM716FT-80 128MB PC-100	✓		

### C. Adapter Compatibility- VGA Card

#### VGA Adapter List:

Brand	Device Model	Pass	Fail	Note
Cyrix	CX5530	✓		

### 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
Intel	82559ER	✓		

### E. Adapter Compatibility- SCSI Card

#### SCSI Adapter List:

Brand	Device Model	Pass	Fail	Note
AAEON	PCM-3420	✓		

### F. Adapter Compatibility- Other Card

#### Adapter Card List:

Brand	Device Model	Pass	Fail	Note
<b>Sound Card</b>				
On board	Cyrix 5530	✓		

**G. Adapter Compatibility- Industry Control Card****Industry Control Adapter List:**

Brand	Device Model	Pass	Fail	Note
<b>104 Module</b>				
AAEON	PCM-3115(PCMCIA 2 SLOTS)	✓		
AAEON	PCM-3600(FAX/MODEM)	✓		
AAEON	PCM-3420 (SCSI)	✓		
AAEON	PCM-3200(SOUND)		✓	no -12V power can work

**H. Peripheral Compatibility-HDD Device****HDD List:**

Brand	Device Model	Pass	Fail	Note
Seagate	ST51270A 1.2G	✓		
IBM	DHEA-34330 3.4G	✓		
Quantum	TX4000AT 4.3G	✓		
WD	AC26400 6.4G	✓		
Maxtor	91021U2 10GB	✓		
Quantum	KX13600AT 13.6G	✓		
Seagate	ST34311A 4.3G	✓		

**I. Peripheral Compatibility- Storage Device****Device List:**

Brand	Device Model	Pass	Fail	Note
<b>CD-ROM</b>				
TEAC	CD-532E 32X	✓		
SAMPO	CDM-T631 36X	✓		
NEC	CDR-3001A	✓		
<b>ZIP</b>				
ZIP	IOMEGA ZIP 100MB Parallel Port	✓		
ZIP	IOMEGA ZIP 100MB USB Port	✓		
<b>LS-120</b>				
LS-120	LMK-F934-1	✓		

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

Brand	Device Model	Pass	Fail	Note
<b>RS-485 Port</b>				
Adam	ADAM-4011	✓		
<b>USB Port</b>				
Dexin	Mouse	✓		
Vcam	Capture	✓		
Tekcam	P35u	✓		
BTC	7932 Keyboard	✓		
D-Link	DU-H4 HUB	✓		
HP	ScanJet 4200C	✓		
HP	PhotoSmart P1000 Printer	✓		



Parallel Port				
HP	PhotoSmart P1000 Printer	<input checked="" type="checkbox"/>		
ZIP	IOMEGA ZIP 100MB Parallel Port	<input checked="" type="checkbox"/>		
IR Port				
ACT	IR 210L	<input checked="" type="checkbox"/>		

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

Brand	Device Model	Pass	Fail	Note
<b>Keyboard</b>				
BTC	7932 Keyboard	<input checked="" type="checkbox"/>		
Acer	6311-TW	<input checked="" type="checkbox"/>		
<b>Mouse</b>				
Dexin	Mouse	<input checked="" type="checkbox"/>		
Logitech	MouseMan	<input checked="" type="checkbox"/>		
Logitech	Serial Mouse	<input checked="" type="checkbox"/>		

### L. On\_Board Network Hardware (physical) Compatibility System Information(Client Site):

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: NEC D4564163G5-A10-9JF <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 type="checkbox"/> SDRAM <input checked="" 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: V 4.51 PG
O.S. Environment	<input checked="" type="checkbox"/> DOS6.22 <input type="checkbox"/> WINNT_____ <input type="checkbox"/> NOVELL_____ <input type="checkbox"/> _____
VGA Card	<input checked="" type="checkbox"/> OnBoard Cyrix CS5530 <input type="checkbox"/> _____
POWER SUPPLY	<input type="checkbox"/> MPU-250W <input checked="" type="checkbox"/> SSH-250G <input type="checkbox"/> SSH-350G <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 : TX4000AT 4.3G
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 82559ER
CD-ROM TYPE	<input checked="" type="checkbox"/> NEC <input type="checkbox"/> PANASONIC <input type="checkbox"/> PIONEER <input type="checkbox"/> CREATIVE : CDR-3001A
Cable/Cable Length	

### System Information(Server Site):

Board System	<input checked="" type="checkbox"/> M/B:SBC-656
DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: NEC D4564163G5-A10-9JF <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 type="checkbox"/> SDRAM <input checked="" 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: V 4.51 PG
VGA Card	<input checked="" type="checkbox"/> OnBoard C&T69000 <input type="checkbox"/> _____
O.S. Environment	<input type="checkbox"/> DOS6.22 <input type="checkbox"/> WINNT_____ <input checked="" type="checkbox"/> NOVELL 4.11 <input type="checkbox"/> _____
IDE 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: AC26400
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: RTL 8139B
CPU Type	<input checked="" type="checkbox"/> Intel Celeron 366MHz
CD-ROM TYPE	<input type="checkbox"/> NEC <input type="checkbox"/> PANASONIC <input type="checkbox"/> PIONEER <input checked="" type="checkbox"/> TEAC : CD-540E 40X
Cable/Cable Length	CAT 5 / 100M

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

<b>SUBJECT</b> Network Hardware Function Testing				
<b>Test Item</b>		<b>Pass</b>	<b>Fail</b>	<b>Note</b>
Transceiver		✓		
Receiver		✓		
CRC error		✓		
Collision back-off generation		✓		
Auto-negotiation		✓		
100M Base-TX half duplex		✓		
10M Base-T half duplex		✓		
<b>SUBJECT</b> Network Operation System Function Testing				
<b>Test Item</b>		<b>Pass</b>	<b>Fail</b>	<b>Note</b>
NetWare 4.11		✓		
Windows NT 4.0		✓		
<b>SUBJECT</b> Network Performance Testing				
<b>Test Item</b>		<b>Result</b>		<b>Note</b>
NWTEST 24HR		Pass		
<b>SUBJECT</b> Workstation Application Function Testing				
<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 95 for IPX/SPX		✓		
Windows 95 for NetBEUI		✓		
Windows 95 for TCP/IP		✓		
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		✓		

Note : 1.Mulity Task is that transfers files(copy/verify/delet) and VCD in the same time.

## 6 . Software Compatibility

### A. O.S. Compatibility-Windows 95

#### System Information:

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand:NEC D4564163G5-A10-9JF <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 type="checkbox"/> SDRAM <input checked="" 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 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: V 4.51 PG
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard CyrixCS5530
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input checked="" type="checkbox"/> DRAM <input type="checkbox"/> VRAM <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input type="checkbox"/> 2.5M <input checked="" type="checkbox"/> 4M
CPU Type	<input checked="" type="checkbox"/> OnBoard:NS Geode GXLV 233 MHz
HDD Type	<input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> WD: KX13600AT 13.6G
CD-ROM Type	<input checked="" type="checkbox"/> SAMPO <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative : CDM-T631 36X
Driver or Utility	<input type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : MediaGX 4.0

#### VGA Driver Testing:

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

#### Test Results:

Test Item	Pass	Fail	Note
<b>Installation From CD/ROM</b>			
Install to IDE HDD	✓		Testing CPU: NS Geode GXLV 233
<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>			
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	✓		
Shutdown to MS-DOS Mode	✓		
Close all Prog. & Login Other User	✓		

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

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand:HYB39S64160AT-8 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input checked="" type="checkbox"/> 64 <input type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" 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 type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: V 4.51 PG
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard CS5530
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input checked="" type="checkbox"/> DRAM <input type="checkbox"/> VRAM <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input type="checkbox"/> 2.5M <input checked="" type="checkbox"/> 4M
CPU Type	<input checked="" type="checkbox"/> OnBoard:NS Geode GXLV 233 MHz
HDD Type	<input checked="" type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> WD: 91021U2 10GB
CD-ROM Type	<input checked="" type="checkbox"/> SAMPO <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative : CDM-T631 36X
Driver or Utility	<input type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : MediaGX 4.0

**VGA Driver Testing:**

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

**Test Results:**

Test Item	Pass	Fail	Note
<b>Installation From CD-ROM</b>			
Install to IDE HDD	✓		Testing CPU: NS Geode GXLV 233
<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>			
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	✓		
Shutdown to MS-DOS Mode	✓		
Close all Prog. & Login Other User	✓		

**B-1.Microsoft Windows 98 Hardware Compatibility Test(HCT)****System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand:NEC D4564163G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input checked="" type="checkbox"/> 64 <input type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" 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 type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: V 4.51 PG
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard Cyrix CS5530
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input checked="" type="checkbox"/> DRAM <input type="checkbox"/> VRAM <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input type="checkbox"/> 2.5M <input checked="" type="checkbox"/> 4M
CPU Type	<input checked="" type="checkbox"/> OnBoard:NS Geode GXLV 233 MHz
HDD Type	<input checked="" type="checkbox"/> IBM <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> WD: DHEA-34330 3.4G
CD-ROM Type	<input checked="" type="checkbox"/> TEAC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative : CD-532E 32X
Driver or Utility	<input type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : MediaGX 4.0

**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	✓		

**C. O.S. Compatibility-Windows NT R4.0****System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand:HYB39S64160AT-8 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input checked="" type="checkbox"/> 64 <input type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" 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 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: V 4.51 PG
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard CS5530
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input checked="" type="checkbox"/> DRAM <input type="checkbox"/> VRAM <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input type="checkbox"/> 2.5M <input checked="" type="checkbox"/> 4M
CPU Type	<input checked="" type="checkbox"/> OnBoard:NS Geode GXLV 233 MHz
HDD Type	<input checked="" type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> WD: 91021U2 10GB
CD-ROM Type	<input checked="" type="checkbox"/> SAMPO <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative : CDM-T631 36X
Driver or Utility	<input type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : MediaGX 4.0

**VGA Driver Testing:**

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

**Test Results:**

Test Item	Pass	Fail	Note
<b>Installation From CD/ROM</b>			
Install to IDE HDD	✓		Testing CPU: NS Geode GXLV 233
<b>Boot</b>			
Boot to Windows NT	✓		
Boot to MS-DOS	✓		
Last known good configuration	✓		
Original Configuration	✓		
Shutdown	✓		
Shutdown & Restart	✓		
<b>CPU/Memory/File System</b>			
Memory size less than 64MB	✓		
Memory size Larger than 64MB	✓		
System tasking settings	✓		
FAT	✓		
NTFS	✓		
Network	✓		
System clock	✓		
Task switching	✓		
<b>Function Test</b>			
Serial Mouse	✓		
FDD Format/Copy/Read/Write	✓		
PS/2 Mouse	✓		
System Clock	✓		
<b>Keyboard Function Test</b>			
CapLock,NumLock,ScrLock	✓		
Ctrl+Alt+Del	✓		
Ctrl+Esc,Alt+Tab/Esc/Space	✓		
Alt+Tab,Alt+Esc,Alt+Space	✓		

<b>COM Port</b>			
<b>Serial Mouse</b>	✓		
<b>Security/Audit/Control</b>			
<b>User manager</b>	✓		
<b>Server manager</b>	✓		
<b>Disk administrator</b>	✓		
<b>Performance monitor</b>	✓		
<b>User profile editor</b>	✓		
<b>Event Viewer</b>	✓		
<b>Windows NT Diagnostics</b>	✓		

**D. O.S. Compatibility-DOS and DOS Utility Compatibility Testing****System Information:**

DRAM/SDRAM Capacity & BRAND(SIMM Qty)	Brand: D4516821AG5-A10-9NF <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128MB <input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" 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 type="checkbox"/> 128K <input type="checkbox"/> 256K <input type="checkbox"/> 512K
System BIOS Version	<input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: V 4.51 PG
VGA Card & BIOS	<input checked="" type="checkbox"/> OnBoard CS5530
VGA Memory Capacity & Brand	Brand: <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ns <input checked="" type="checkbox"/> DRAM <input type="checkbox"/> VRAM <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input type="checkbox"/> 2.5M <input checked="" type="checkbox"/> 4M
CPU Type	<input checked="" type="checkbox"/> OnBoard: NS Geode GXLV 233 MHz
HDD Type	<input checked="" type="checkbox"/> IBM <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> WD: DHEA-34330 3.4G
CD-ROM Type	<input checked="" type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative : CDR-3001A
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 FDD</b>			
Install to IDE HDD	✓		Testing CPU: NS Geode GXLV 233
<b>Function Test</b>			
Sysinfo Check (Before DOS Initialed )	✓		
System Clock(Compare to RTC CLK)	✓		
DOS Prompt	✓		
FDD Format/Copy/Read/Write	✓		
Serial Mouse	✓		
<b>DOS Commander</b>			
MSD.COM	✓		
EDIT.COM	✓		
EMM386.EXE	✓		
HIMEN.SYS	✓		
<b>Norton Commander</b>			
Key F1~F10 Function	✓		
Key Alt+F1~F10 Function	✓		
Key Ctrl+F1~F10 Function	✓		
<b>ET Ver3.53</b>			
Installation Testing	✓		
16 Font Mode	✓		
24 Font Mode	✓		
Key: Ctrl+Esc Function	✓		
Sethrc Function	✓		