AAEON

ISO-9001/ISO-14001 Certified
Industrial Automation PCs

STD-5094
QE Compatibility Test Report

Release Date: Apr. 19, 1999

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Issue Stamp   **QA Manager**   **QE Manager**   **Test Engineer**

Contents

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. Software Compatibility

A.O.S. Compatibility

O.S. / Test Item	Install		Boot		Shutdown		Function		KB Function	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
MS-DOS 6.22	✔		✔		✔		✔		✔	

B. Microsoft Windows Compatibility

Wins / Test Item	Install		Boot		Shutdown		Function		KB Function		Display Driver	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
Windows 3.11(E)	✔		✔		✔		✔		✔		✔ (Note)	
Windows 3.11 (Chinese-Simplified)	✔		✔		✔		✔		✔		N/A	
Windows 95(E)	✔		✔		✔		✔		✔		✔	
Windows 98(E)	✔		✔		✔		✔		✔		✔	
Windows 95 (Chinese-Simplified)	✔		✔		✔		✔		✔		N/A	
Windows 98 (Chinese-Simplified)	✔		✔		✔		✔		✔		N/A	

Note. VGA driver for WIN311(English) was failure. Stiped Figure will be found when we moved the windows or the mouse point.
Soulation:Add "redundancy=off" in SYSTEM.INI.

C. Windows Application

Application / Test Item	Installation		Function Test	
	Result	Note	Result	Note
Ami Pro 3.1	Pass		Pass	
MS Word 6.0c	Pass		Pass	
WordPerfect 6.1	Pass		Pass	
MS Works 3.0b	Pass		Pass	
Lotus 1-2-3 R5	Pass		Pass	
MS Excel 5.0c	Pass		Pass	
Quattro Pro 6.01	Pass		Pass	
PageMaker 5.0a	Pass		Pass	
CorelDRAW 5.0E2	Pass		Pass	
PowerPoint 4.0c	Pass		Pass	
Dbase 5.0	Pass		Pass	
Paradox 5.0	Pass		Pass	
Access 2.0	Pass		Pass	

D.DOS Utility Compatibility Testing

Application / Test Result	Result	Note
Norton Utility 8.0	Pass	
Norton Commander 5.0	Pass	

E. Diagnostics Software Testing

Test Item / Software	QAFE 5.29		AMIDIAG 4.5			
	Result	Fail	Result	Fail	Result	Fail
Main Component	✔		✔			
Memory	✔		✔			
Video Adapter	✔		✔			
Floppy Drive	✔		✔			
Hard Drive	✔		✔			
Keyboard	✔		✔			
COM Port	✔		✔			
LPT Port	✔		✔			
Plug & play	✔		✔			

2. Hardware Compatibility

A. Component Compatibility- CPU

CPU Device List:

Brand	Device Model	Result	Note
SGS	STPC CLIENT 66	Pass	On board

B. Component Compatibility- DRAM SIMM Module

DRAM SIMM Module List:

Brand	Device Model	Result	Note
NEC	D4265165G5-A60-7JF 32MB	Pass	On board

C. Peripheral Compatibility-HDD Device

HDD List:

Brand	Device Model	Result	Note
Seagate	ST312768	Pass	
Seagate	ST33232A	Pass	
Maxtor	90648D3	Pass	
Quantum	3240AT	Pass	
Quantum	Big foot 4.0AT	Pass	
Quantum	Big foot 4320AT	Pass	

D. Peripheral Compatibility- Storage Device

Device List:

Brand	Device Model	Result	Note
CD/ROM			
Creative	CD 820E	Pass	
TEAC	CD-532E-B	Pass	
VUGEO	624A-004	Pass	
Panasonic	CR-585-B	Pass	
Pioneer	DR-A24X	Pass	
ZIP			
ZIP	100MB(ECP/EPP)	Pass	

E. Peripheral Compatibility- Input Device
Input Device List:

Brand	Device Model	Result	Note
Keyboard			
BTC	5140	Pass	
ACER	6511	Pass	
Mouse			
Microsoft	Serial Mouse	Pass	
IBM	PS/2 Mouse	Pass	
Logitech	First Mouse	Pass	
Logitech	Mouse Man (PS/2,Serial)	Pass	

3. Performance Testing

System Information:

DRAM Type & Capacity	OnBoard 64MB NEC D4265165G5-A60-7JF 32MB
VGA Card	OnBoard (SGS STPC CLIENT 66 /Share VGA Menory)
HDD TYPE	Quantum ST3240
VGA Testing Mode	640X480X16 colors
O.S.	DOS V 6.22 & Windows 96

Operating System Environment (DOS Only)

Config.sys	Autoexec.bat
Device=c:\dos\himem.sys dos=high files=35 Buffers=40	Prompt pg c:\dos\smartdrv.exe /x

Testing Software

Testing Utility	CPU Configuration			
	SGS STPC Client 66			
LandMark Speed 2.0				
CPU	217.73			Mhz
FPU	617.30			Mhz
VIDEO	4292			Chs/sec
Norton 8.0 SI	112			ID
Power Meter 2.02	19.1			Mips
WinStone96				
Overall WinStone96	17.6			
WinBench96				
Graphic WinMark96	2.17			MP/s
CPU mark 16	50.7			
CPU mark 32	70.9			
Coretest 3.02				
DTR (Buffered Read)	4240			KB/sec
Performance ID	32.76			
Power consumption				
(+5V)DOS Mode Run SpeedCom Rev.2.0	1.5			A

4. Margin Testing

A. DC Voltage Test (Software: AMI_DIAG 4.51)

Testing Condition	Result	Note
VDC High Voltage Margin (Burn-In 2 Hours)	5.25V	
VDC Low Voltage Margin (Burn-In 2 Hours)	4.7V	

B. IDE Drive Capability
Test Equipment
Primary IDE Port

Master Device: HD Seagate ST33232A

Slave Device: CD-ROM PIONEER DR-A24X

Testing Condition	Result	Note
Primary IDE Port Flat-Cable Length Margin	75CM	
Secondary IDE Port Flat-Cable Length Margin	N/A	