

# SBC-357 **QE Compatibility Test Report**

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Issue Stamp QA Manager QE Manager 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. Software Compatibility

A. O.S. Compatibility

O.S. / Test Item	Ins	tall	Во	ot	Shute	down	Fund	ction	KB Fu	nction
	Pass	Fail	Pass	Fail	Pass	FAIL	PASS	FAIL	PASS	FAIL
MS-DOS 6.22	✓		✓		✓		✓		✓	
QNX 4.22 & Wins	N/A		N/A		N/A		N/A		N/A	
NOVELL 4.11	N/A		N/A		N/A		N/A		N/A	
MS-DOS 6.2V	<b>✓</b>	·	<b>✓</b>		<b>✓</b>		<b>✓</b>		<b>✓</b>	
		·								

B Microsoft Windows & IBM O/S 2 Compatibility

Wins / Test Item	Ins	tall	Boot		Shutdown		Function		KB Function		Display Driver	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass		Pass	
Windows S 3.1	✓		✓		✓		✓		✓		✓	
Windows 95	<b>✓</b>		✓		✓		✓		✓		✓	
Windows NT 4.0/ W	N/A		N/A		N/A		N/A		N/A		N/A	
Windows NT 4.0/S	N/A		N/A		N/A		N/A		N/A		N/A	
OS/2 Warp 4.0	N/A		N/A		N/A		N/A		N/A		N/A	
Windows 95(J)	N/A		N/A		N/A		N/A		N/A		N/A	
Windows NT 4.0 W(J)	N/A		N/A		N/A		N/A		N/A		N/A	
Windows NT 4.0 S(J)	N/A		N/A		N/A		N/A		N/A		N/A	

(J): Japanese

C. Windows Application

Application / Test Item		Installation	F	unction 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	n / Test Result	Result	Note
Norton Utility 8.0		Pass	
Norton Commander 5	5.0	Pass	
Et 3.53	16 * 15 Font Mode	Pass	
	24 * 24 Font Mode	Pass	
Et 2000 (For Dos)	16 * 15 Font Mode	Pass	
	24 * 24 Font Mode	Pass	

### **E.** Diagnostics Software Testing

Test Item /	QAFE	5.29	QAPL	US4.8	AMIDI.	AG4.5	AMIDI	AG5.1	CHEC	KIT3.0
Software	Result	Note	Result	Note	Result	Note	Result	Note	Result	Note
Main Component	Pass		Pass		Pass		Pass		Pass	
Memory	Pass		Pass		Pass		Pass		Pass	
Video Adapter	Pass		Pass		Pass		Pass		Pass	
Floppy Drive	Pass		Pass		Pass		Pass		Pass	
Hard Drive	Pass		Pass		Pass		Pass		Pass	
Keyboard	Pass		Pass		Pass		Pass		Pass	
COM Port	Pass		Pass		Pass		Pass		Pass	
LPT Port	Pass		Pass		Pass		Pass		Pass	
Plug & play	N/A		N/A		N/A		N/A		N/A	
Note:	-		-		-		-			

### 2. Hardware Compatibility

### A. Component Compatibility- CPU

#### **CPU Device List:**

Brand	Device Model	Result	Note
ALI	M6117C	Pass	

## B. Component Compatibility- DRAM SIMM Module DRAM SIMM Module List:

Brand	Device Model	Result	Note
NEC	4217405 16M EDO RAM	Pass	05/21 TEST OK
HYNDAI	HY5117400AJ-70 16M FPM RAM	Pass	05/21 TEST OK
PANASONIC	MN4117400CSJ-06 16M EDO W/O PARITY	Pass	05/21 TEST OK
PANASONIC	MN4117400CSJ-06 16M EDO W/PARITY	Pass	05/21 TEST OK
LGS	GM71C17403CJ 16M EDO RAM	Pass	05/21 TEST OK
TI	TMS417409ADJ 16M EDO RAM	Pass	05/21 TEST OK
MICRON	MT4C4M4E8DJ 16M EDO RAM	Pass	05/21 TEST OK
SIEMENS	HYB5117405BJ-60 16M EDO RAM	Pass	05/21 TEST OK

### C. Adapter Compatibility- VGA

#### **VGA Adapter List:**

Brand	Device Model	Result	Note
Onboard	CHIPS B65545	Pass	

### D. Adapter Compatibility- LAN

### **LAN Adapter List:**

Brand	Device Model	Result	Note
3COM	3C509 ISA	Pass	
Intel	Ether Express PRO100B	Pass	

### E. Adapter Compatibility- SCSI CARD

#### **SCSI Adapter List:**

Brand	Device Model	Result	Note
AHA	1520B ISA	Pass	

### G. Adapter Compatibility- Other Card

### **Adapter Card List:**

Brand	Device Model	Result	Note
MPEG Card(IS	A Bus)		
LEMEL Magic	MPEG Card	Pass	
Sound Card(IS	A Bus)	_	
Creative	SB 16 Value PnP	Pass	
Creative	AWE64 PnP	Pass	

### H. Adapter Compatibility- Industry Control Card

#### **Industry Control Adapter List:**

	1		
Brand	Device Model	Result	Note
AAEON	PCM-3660 (ETHERNET)	Pass	
AAEON	PCM-3420 (SCSI)	Pass	
AAEON	PCD-894A	Pass	
AAEON	RDM-1010A	Pass	
AAEON	RDM-1020N	Pass	
AAEON	PCM-3110B	Pass	
AAEON	PCD-895A	Pass	
AAEON	PCD-896	Pass	

# I. Peripheral Compatibility-HDD Device HDD List:

Brand	Device Model	Result	Note
Seagate	ST51270A	Pass	
Seagate	ST32132A	Pass	
Maxtor	83240D4(3.2GB)	Pass	
Quantum	Big_Foot TX4000 AT	Pass	
Quantum	ST32A013	Pass	

### J. Peripheral Compatibility- Storage Device

### **Device List:**

Brand	Device Model	Result	Note
CD/ROM			
SAMPO		Pass	
VUGEO	624A-004	Pass	
SAMPO	COM-T631	Pass	
FAX/Modem		_	
LEMEL	33.6 FAX/MODEM	Pass	

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

Brand	Device Model	Result	Note
Keyboard	•		
BTC	5121	Pass	
ACER	6311-TW	Pass	
ACER	6511-TW	Pass	
Mouse			
Microsoft	Serial Mouse	Pass	
IBM	PS/2 Mouse	Pass	
Logitech	First Mouse	Pass	
Logitech	MouseMan (PS/2,Serial)	Pass	

### 3. Stability Testing

### A. Burn-In Stability Testing

Test Condition: Burn-In under Temp. -40°C ~85°C (IEC-68-2-30)

Test Software	Result	Note
AMIDIAG4.5	Pass	

### **B.** Booting Stability Testing

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

Test Mo	ethod	Actual	Successful	Fail Rate	Note
Power On/Off	1000 Times	1000	1000	0	
KB Reset	20 Times	20	20	0	
H/W Reset	1000 Times	1000	1000	0	

### 4. Performance Testing

### **System Information:**

DRAM Type & Capacity	Mitsubish M5M417400CJ 16M*2
VGA Card	onboard (C&T 65545)
HDD TYPE	Quantum ST3240
VGA Testing Mode	640X480X256 colors (For WinStone & WinBench)
O.S.	DOS V 6.22 & Windows 95

### **Operating System Environment (DOS Only)**

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

### **Testing Software**

	CPU Configuration						
Testing Utility	ALI						Unit
	M6117						
	С						
LandMark Speed 2.0							
CPU	32.41						MHz
FPU	N/A						MHz
VIDEO	2580						Chs/sec
Norton 8.0 SI	24.2						ID
Power Meter 2.02	3.6						Mips
PcBench 9.0 CPUmark16	15.01						
WinStone 96							_
Business Winstone	N/A						
High-End Winstone	6.1						
WinBench 96							
High-End Graphic WinMark	0.853						MP/s
CPUmark 16	N/A						
CPUmark 32	N/A						
Coretest 3.02		-	·				 -
DTR (Buffered Read)	2112						KB/sec
Performance ID	16.93						
WINTECH 1.2 (1024*768*256)	1.46						
Power Consumption(+5V in normal mode)	1.32						Α

### 5. Margin Testing

### A. Temperature Test (Software: <u>AMIDIAG 4.5</u>)

Testing Condition	Result	Note
High Temperature Margin (Burn-In 2 Hours)	<b>85</b> ℃	
Low Temperature Margin (Burn-In 2 Hours)	-40℃	

### B. DC Voltage Test (Software: AMIDIAG 4.5)

Testing Condition	Result	Note
VDC High Voltage Margin (Burn-In 2 Hours)	5.25V	
VDC Low Voltage Margin (Burn-In 2 Hours)	4.6V	

# C. IDE Drive Capability Test Equipment

**Primary IDE Port:** 

Master Device: HDD BIGFOOT TX4000 AT Slave Device: CD-ROM SAMPO COM-T631

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