

PCM-4890 **QE Compatibility Test Report**

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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

		1								
O.S. / Test Item	Ins	tall	Во	ot	Shute	down	Fund	ction	K/B Fu	nction
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
MS-DOS 6.22	✓		✓		✓		✓		✓	
QNX 4.22 & Wins	✓		✓		✓		✓		✓	
NOVELL 3.12	✓		✓		✓		✓		✓	

B. Microsoft Windows & IBM OS/ 2 Compatibility

Wins / Test Item	Install		Boot		Shutdown		Function		Keyboard Function		Display Driver	
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail
Windows 3.1	✓		✓		✓		✓		✓		✓	
Windows 95	✓		✓		✓		✓		✓		✓	
Windows Nt 4.0 W/S	✓		✓		✓		✓		✓		✓	
Windows Nt 4.0 Server	✓		✓		✓		✓		✓		✓	
OS/2 Warp 4.0	✓		✓		✓		✓		✓		N/A	

C. Windows Application

Application / Test Item	I	nstallation	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	
CoreIDRAW 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	
Et 3.53	Et 3.53 16 * 15 Font Mode		
	24 * 24 Font Mode	Pass	

E. Diagnostics Software Testing

Test Item / Software	Qafe	Qafe5.29		Qaplus4.8		Amidiag4.5/5.1		kit3.0
	Result	Note	Result	Note	Result	Note	Result	Note
Main Component	Pass		Pass		Pass		Pass	
Memory	Pass		Pass		Pass		Pass	
Video Adapter	Pass		Pass		Pass		Pass	
Floppy Drive	Pass		Pass		Pass		Pass	
Hard Drive	Pass		Pass		Pass		Pass	
Keyboard	Pass		Pass		Pass		Pass	
COM Port	Pass		Pass		Pass		Pass	
LPT Port	Pass		Pass		Pass		Pass	

2. Hardware Compatibility

A. Component Compatibility- CPU

CPU Device List:

Brand	Device Model	Result	Note
Intel	486DX2-66M	Pass	
Cyrix	486DX2-66M	Pass	
Cyrix	486DX2-80M	Pass	
AMD	486DX4-100M	Pass	
AMD	486DX4-120M	Pass	
AMD	5X86-P75	Pass	

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

Brand	Device Model	Result	Note
PANASONIC	MN4117400BSJ-06 32M	Pass	
MITSUBISH	M5M417400CT-7 16M	Pass	
SIEMENS	HYB5117405BJ-60 32M EDO RAM	Pass	
NPNX	NN514405J-60 8M EDO RAM	Pass	
VITELIC	V53C408HK45 8M EDO RAM	Pass	
HYNDAI	HY5117400AJ-70 16M	Pass	
HITACHI	HM5118165AJ6R 8M EDO RAM	Pass	
SAMSUNG	KM44c4104AK-6 16M EDO RAM	Pass	
VANGUARD	VG264400BJ-6 8M	Pass	
NEC	4217405-60 16M EDO RAM	Pass	
NEC	424100-70 16M	Pass	
NEC	424400-70 4M	Pass	

C. Adapter Compatibility- VGA

VGA Adapter List:

Brand	Device Model	Result	Note
PCI BUS			
On Board	A&T CHIPS65545	Pass	

D. Adapter Compatibility- LAN

LAN Adapter List:

Brand	Device Model	Result	Note
ISA BUS			
On Board	RTL-8019	Pass	

E. Adapter Compatibility- SCSI CARD

SCSI Adapter List:

Brand		Device Model	Result	Note
ISA BUS				
AHA	1542CF	ISA	Pass	

F. Peripheral Compatibility-HDD Device

HDD List:

Brand	Device Model	Result	Note
Conner	CFS425A	Pass	
Maxtor	71336AP	Pass	
Fujitsu	M1638TAU	Pass	
Quantum	840AT	Pass	
Quantum	TB540S SCSI	Pass	

G. Peripheral Compatibility- Storage Device

Device List:

Brand	Device Model	Result	Note
CD/ROM			
Creative	CD 820E	Pass	
VUGEO	624A-004	Pass	
Panasonic	CR-585-B	Pass	
Pioneer	DR-A24X	Pass	
Tape Streamer			
HP	LaserJet III	Pass	

H. 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 SUPER	Pass	
Logitech	First Mouse	Pass	
Logitech	Mouse Man (PS/2,Serial)	Pass	

3. Stability Testing

A. Burn-In Stability Testing

Test Condition: Room Temp. 48 hours

Test Software	Result	Note
AMIDIAG4.5	Pass	

B. Booting Stability Testing

Test Method		Actual	Successful	Fail Rate	Note
Power On/Off	1000 Times	1000	993	0.7%	
KB Reset 20 Times		20	20	0%	

C. Continuous Burn-In Booting Stability Testing

Test Condition: Burn-In Under Temp. 60°C

Test Method		Actual	Successful	Fail Rate	Note
Power On/Off	1000 Times	1000	1000	0%	

4. Performance Testing

System Information:

DRAM Type & Capacity	Panassonic 16MBX2	
VGA Card	OnBoard (C&T 65545)	
HDD TYPE	Fujitsu M1638TAU	
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

8			CPU Con	figuration	
Testing Utility	AMD	AMD			Unit
	DX4-100	DX4-120			
LandMark Speed 2.0					
CPU	334.80	401.70			Mhz
FPU	883.14	1059.62			Mhz
VIDEO	7336.00	7336.00			Chs/sec
Norton 8.0 SI	198.2	N/A			ID
Power Meter 2.02	29.3	N/A			Mips
PcBench 9.0 CPUmark16	70.62	N/A			
WinStone 96 1.0	22.1	23.7			
WinBench 96					
Graphic WinMark 96	3.61	3.45			MP/s
CPUmark 16	55.3	66.3			
CPUmark 32	52.4	62.9			
Coretest 3.02					
DTR (Buffered Read)	6256	N/A			KB/sec
Performance ID	42.84	N/A			
WINTECH 1.2	4.39/A4	N/A	_		
Power consumption (+5V in normal mode)	2.03	N/A			Α
Note					

5. Power Consumption Data

System Information:

DRAM Type & Capacity	HY5117400AJ-70 *2
VGA Card	On Board C&T65545
Floppy	1.44
O.S.	DOS Mode

Operating System Environment (DOS Mode)

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

Test Software (DOS Mode):

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

Mode Type	CPU Type				Unit	
	Intel	AMD	Cyrix			
	DX-66	DX4-100	DX2-66			
Normal Mode(+5V)	2.4	2.1	1.8			amp/max
Suspend Mode(+5V)	1.2	1.2	1.2			amp/max

Note:

- 1. Suspend Model all function off.
- 2. Power supple voltage: +5V

6. Margin Testing

A. Temperature Test (AMIDIAG 4.5)

Testing Condition	Result	Note
High temperature Margin (Burn-In 2 Hours)	75 ℃	
Low temperature Margin (Burn-In 2 Hours)	-25 ℃	

B. DC Voltage Test (AMIDIAG 4.5)

Testing Condition	Result	Note
VDC High Voltage Margin (Burn-In 2 Hours)	5.6V	
VDC Low Voltage Margin (Burn-In 2 Hours)	4.4V	

C. IDE Drive Capability

Test Equipment:

Primary IDE Port:

Master Device: Fujitsu M1638TAU

Slave Device: CD-ROM CREATIVE CD820E

Testing Condition	Result	Note
Primary IDE Port Flat-Cable Length Margin	75CM	