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

Product Certification Report

Report No: PCM-6898-P-01

Product Model	**PCM-6898**
Product description	**FC/Socket 370 , Media PC with LCD , Ethernet , Audio , AGP 4X , TV-out SSD/Compact Flash , PC/104 , PC/104 Plus 4 USB Ports , & 4 COM Ports**
Test reason	☑New product ☑PCB : PCM-6898 Rev:A0.2 ☑BIOS: PCM-6898 BIOS Rev:1.0 (07/10/2001) ☐Renew product ☐PCB : ☐BIOS: ☐ Revision change ☐PCB : ☐BIOS: ☐Component:

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Issue date	Manager	Assistant Manager	Test Engineer

Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (Operating at 0℃~60℃ for 48hours)	Pass
Audio Play For Sound Codec Chipset Burn-In Test .(Operating at 0℃ & 60℃ for 2hours)	Pass
LAN Chipset Burn_In Test. (Operating at 0℃ and 60℃ for 2hours)	Pass
Boot_Up Burn_In Test .(Operating at 0℃~60℃ for 24hours)	Pass
Boot_Up Burn_In Test .(Operating at Room Temperature for 24hours)	Pass
Windows HCT 9.1 system stress test. (Operating at Room Temp. for 8hours)	Pass
Timer Accuracy Test	**Result**
RTC timer accuracy of +/-3 sec per day.	Pass
System clock accuracy of +/-5 sec per day.	Pass
Watchdog timer accuracy of +/-1 sec per minute.	Pass
Margin Test – Power Consumption – PIII 1G , SDRAM 128MB	**Result**
Power VCC 4.75V to 5.25V Margin test .	Pass
Power Connector Test – ATX Power Thansfer To AT Power	Pass
Electrical characteristics – Normal Mode(+3.3V)	1.31A
Electrical characteristics -- Standby Mode(+3.3V)	1.47A
Electrical characteristics – Normal Mode(+5V)	5.43A
Electrical characteristics -- Standby Mode(+5V)	1.20A
Electrical characteristics – Normal Mode(+12V)	0.21A
Electrical characteristics -- Standby Mode(+12V)	0.21A
BIOS Function Test	**Result**
Y2K Test	Pass
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power manager test	Pass
ACPI Power manager test	Pass
Wake Up Event Test	Pass
CMOS backup Test	Pass
COM Address/IRQ Test	Pass
LPT Address /IRQ Test	Pass
Hardware Monitor Test	Pass
Supervisor / User Password Test	Pass
Operation System Compatible Test	**Result**
Linux Red Hat 7.0	Pass
Netware 4.11	Pass
Netware 5.0	Pass
Windows 95 English version	Pass
Windows 98SE English version	Pass
Windows ME English version	Pass
Windows NT workstation 4.0 English version with service pack 6	Pass
Windows NT server 4.0 English version	Pass
Windows 2000 professional English version	Pass

DOS and DOS Utility Compatibility Testing	Pass
Windows 98 Hardware Compatibility Test (HCT)	Pass

Performance Test – CPU Pentium III 850 , DRAM 128MB	**Result**
LandMark Speed 2.0 - CPU	6296.01
LandMark Speed 2.0 - FPU	20910
LandMark Speed 2.0 – VIDEO	42740
WinStone 99 V1.1 – High_end winstone99	**Note**[1]
WinStone 99 V1.1 – Business winstone99	37
WinBench 99 V1.1- High_end Graphic winmark99	923
WinBench 99 V1.1- Business Graphic winmark99	240
WinBench 99 V1.1- FPU winmark	5290
WinBench 99 V1.1- CPU mark99	77.6
Final Reality V1.01 BenchMark Test – 2D image	5.31
Final Reality V1.01 BenchMark Test – 3D	4.48
Final Reality V1.01 BenchMark Test – Bus transfer	2.73
Final Reality V1.01 BenchMark Test – Overall	4.47
3D WinBenech 2000 v1.0 with DirectX7 and 1024x768x16Bits-Processor Test	1.77
Content Creation Winstone 2000 V1.0 – C.C.Winstone 2000	32.4

Utility and Driver Test	**Result**
VGA for Windows 95 (Onboard S3 Pro Savage)	Pass;**Note**[2]
VGA for Windows 98SE (Onboard S3 Pro Savage)	Pass
VGA for Windows ME (Onboard S3 Pro Savage)	Pass
VGA for Windows 2000P (Onboard S3 Pro Savage)	Pass
VGA for Windows NT 4.0 (Onboard S3 Pro Savage)	Pass
LAN for Windows 95 (Realtek RTL8139C)	Pass
LAN for Windows 98SE (Realtek RTL8139C)	Pass
LAN for Windows ME (Realtek RTL8139C)	Pass
LAN for Windows 2000P (Realtek RTL8139C)	Pass
LAN for Windows NT 4.0 (Realtek RTL8139C)	Pass
Sound for Windows 95 (VIA VT82C686B AC97 Codec)	Pass
Sound for Windows 98SE (VIA VT82C686B AC97 Codec)	Pass
Sound for Windows ME (VIA VT82C686B AC97 Codec)	Pass
Sound for Windows NT 4.0 (VIA VT82C686B AC97 Codec)	Pass
Sound for Windows 2000P (VIA VT82C686B AC97 Codec)	Pass
Red hat Linux 7.0 hardware compatible list for VGA	Support
Red hat Linux 7.0 hardware compatible list for LAN	Support
Red hat Linux 7.0 hardware compatible list for Audio	Support

Memory Test – SDRAM PC-133/100	**Result**
Infineon / HYB39S64800CT-7.5 / PC133 / 128MB	Pass
NANYA / NT56V6620C0T-75 / PC-133 / 64MB	Pass
NEC / D45128841G5-A75-9JF / PC-133 / 256MB	Pass
NEC / D45128841G5-A10-9JF / PC-100 / 128MB	Pass

NEC / D4564841G5-A80-9JF / PC-100 / 64MB	Pass
NEC / D4564163G5-A10B-9JF / PC-100 / 64MB	Pass
CPU Compatible Test	**Result**
Pentium III 1G (133 FSB)	Pass
Pentium III 933 (133 FSB)	Pass
Pentium III 850 (100 FSB)	Pass
Celeron 800 (100 FSB)	Pass
Celeron 766 (66 FSB)	Pass
Celeron 633 (66 FSB)	Pass
Celeron 533 (66 FSB) (.25u)	Pass
Celeron 433 (66 FSB) (.25u)	Pass
HDD Compatible Test	**Result**
IBM DTLA-307075 / 76.8GB / ATA100	Pass
IBM DTLA-307045 / 46.1GB / ATA100	Pass
IBM DTLA-307030 / 30.7GB / ATA100	Pass
Maxtor 54098U8 / 40.9GB / ATA66	Pass
Maxtor 51536U3 / 15.3GB / ATA66	Pass
Seagate ST315320A / 15.3GB / ATA66	Pass
Seagate ST34520 / 4.5GB / ATA33	Pass
Quantum LM20500AT / 20.5GB / ATA66	Pass
Fujitsu LIMITED MPC3043AT / 4.3GB / ATA33	Pass
W/D AC26400 / 6.4GB	Pass
CDROM / DVDROM Test	**Result**
NEC C&C-BCD F561B / 52X	Pass
ASUS CD-S500/A / 50X	Pass
TEAC CD-540E / 40X	Pass
SONY CDU4811-81 / 48X	Pass
CREATIVE DVD1240E / 12X / DVD-ROM	Pass
PIONEER ATAPI DVD-A03S / 6X / DVD-ROM	Pass
Acer DVP 1640A /16X /DVD-ROM	Pass
AFREEY CD-2050E / 50X	Pass
RICOH MP7060S / 24X / SCSI-CDROM	Pass
On Board Audio Function Test	**Result**
System Sound	Pass
Play CD_IN	Pass
Play Sound Recorder	Pass
Line Out	Pass
Line In	Pass
Line In Sound Recorder	Pass
MIC Speaker – Dynamic / Condenser	Pass
MIC Speaker Recorder – Dynamic / Condenser	Pass
Game port	Pass

SCSI Card Compatible Test	Result
AHA-2940UW (PCI bus)	Pass
AHA-1520B (ISA bus)	Pass
VGA Card Compatible Test	**Result**
LEMEL S3 TRIO64V2-DX/GX (ISA bus)	Pass
CIRRUS LOGIC 5429 (ISA bus)	Pass
LAN Card Compatible Test	**Result**
D-Link DFE540TX (PCI bus)	Pass
Intel PILA8560 (10/100MB) (PCI bus)	Pass
Multi Media Card Compatible Test	**Result**
Creative AUDIO (PCI bus)	Pass
Creative CT4170 (ISA bus)	Pass
Creative SB16 PNP/CT2980 (ISA bus)	Pass
Lemel ESS ES1868F 3D/16 PnP (ISA bus)	Pass
RAID Adapter Card Test	**Result**
ABIT HotRod 100 Pro (PCI bus)	Pass
PROMISE Ultra 100 (PCI bus)	Pass
Industry Control Adapter Card Compatible Test-PC104/PC104Plus	**Result**
AAEON PCM-3600 / Fax/Modem Module	Pass
AAEON PCM-3110 / PCMCIA Module	Pass
AAEON PCM-3640 / RS-232 Module	Pass
AAEON PCM-3840 / DOC Module	Pass
AAEON PCM-3730 / Intel 82559 LAN Module / PC104 Plus	Pass
AAEON PCM-3430 / SCSI Module / PC104 Plus	Pass
System Integer Application Test	**Result**
PCI cards integer application	Pass
ISA cards integer application	Pass
PCI and ISA cards integer application	Pass
Riser Card integer application	Pass
Function Test	**Result**
On board LAN with 100 feet cable length	Pass
On board VGA function	Pass
On board Audio function	Pass
M-System DOC-2000 Solid State Disk test	Pass
Peripheral Storage Device Compatible test	**Result**
IOMEGA ZIP100M (Parallel Type)	Pass
IOMEGA ZIP100M (IDE Type)	Pass
LS-120 / LKM-F930-1 (IDE Type)	Pass
Photo Smart P1000 Printer (LPT Type)	Pass
33.6 HIGH SPEED MODEM (RS-232)	Pass
FUJITSU MO MCB3064SS	Pass

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Ultra ATA-66 / 100 Test	Pass
Peripheral Input Device Compatible test	**Result**
BTC 7932 Keyboard (USB)	Pass
Logitech M-BB48 Mouse (USB)	Pass
HP SJ4200C Scanner (USB)	Pass
HP Photo Smart P1000 Printer (USB)	Pass
Tekcam P35U Camera (USB)	Pass
IOMEGA ZIP100MB (USB)	Pass
D-Link DU-E10 Ethernet Adapter (USB)	Pass
D-Link DSB-H4/DU-H4 HUB (USB)	Pass
Microsoft Serial Mouse	Pass
Logitech Mouse Man	Pass
Adam RS-485 (COM2)	Pass
Miscellaneous Test	**Result**
Windows 98 Power manager test	Pass
Windows 2000 Power manager test	Pass
Floppy Disk Controller	Pass
H/W Reset	Pass
Ext. Speaker	Pass
On board buzzer	Pass
HDD LED	Pass
LAN LED	Pass
Watchdog –BIOS	Pass
Disable watchdog-BIOS	Pass
ATX power button	Pass
CPU FAN connector	Pass
Primary IDE Master	Pass
Primary IDE Slave	Pass
Secondary IDE Master	Pass
Secondary IDE Slave	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
COM3	Pass
COM4	Pass
LPT1	Pass
PS2 Keyboard / Mouse	Pass
USB Port 1	Pass
USB Port 2	Pass
USB Port 3	Pass
USB Port 4	Pass

SIR / 115K bps	Pass
DIO Input /Output Function	Pass
Compact flash solid state disk / TYPE1 /TYPEII	Pass
DOC	Pass
TV-out /AV & S Output	Pass;**Note**[3]

Result Summary

Note[1] The result of " High_end winstone99" in the "WinStone 99 V1.1"failed.

Note[2] The "Refresh rate" garbage is showed on screen when use VGA driver setup mode
Installation of under Windows 95 .

Note[3] Run TV-OUT Function change mode CRT screen will to narrow.