

Product Certification Report

Release No :03E0100043

Product Model	PCM-6897
Product Description	FC/Socket 370 , Media PC with LCD , Ethernet , Audio ,TV-out Compact Flash , PC/104, Plus 4 USB Ports , & 4 COM Ports
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PCM-6897 Rev:A0.2 <input checked="" type="checkbox"/> BIOS: PCM-6897 BIOS Rev:1.0 (02/13/2003) <input type="checkbox"/> Renew product <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input type="checkbox"/> Revision change <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input type="checkbox"/> Component:

2003-2-18

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Issue date

AVP

Test Engineer

Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (Qaplusfe 5.5 Operating at 0 ~60 for 48hours)	Pass
Dynamic Burn-In test. (Power On/Off Operating at 0 ~60 for 24hours)	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 & 60 for 2hours)	Pass
Boot_Up Burn_In Test. (Operating at Room Temp.)	Pass
Timer Accuracy Test	Result
System clock accuracy of +/-5 sec per day.	Pass
RTC timer accuracy of +/-3 sec per day.	Pass
Watchdog timer accuracy of +/-20 % per sec/ min.	Pass
Margin Test – Power Consumption – PIII 1.4G , SDRAM 128MB	Result
Electrical characteristics – Normal Mode(+3.3V)	5.9A
Electrical characteristics – Standby Mode(+3.3V)	5.57A
Electrical characteristics – Normal Mode(+5V)	0.17A
Electrical characteristics – Standby Mode(+5V)	0.06A
Electrical characteristics – Normal Mode(+12V)	0.02A
Electrical characteristics – Standby Mode(+12V)	0.02A
Power VCC 4.75V to 5.25V Margin test .	Pass
Power Connector Test – AT Power To ATX Motherboard	Pass
Network HUB / LAN Connects Test	Result
LAN1 HP J4095A 24Ports [100 /10 Mbps]	Pass
LAN1 D-Link DES-1008 [100 / 10 Mbps]	Pass
LAN1 Intel InBusiness 8 Ports [100 / 10 Mbps]	Pass
LAN1 LEMEL LM-S5 5 Ports [100 / 10 Mbps]	Pass
LAN1 EDIMAX DeskTop-3005 [100 / 10 Mbps]	Pass
LAN1 SVEC FD916H [10 Mbps]	Pass
Touch Screen for serial Ports Test	Result
COM 1 Serial Port	Pass
COM 2 Serial Port	Pass
COM 3 Serial Port	Pass
COM 4 Serial Port	Pass
CPU Compatible Test	Result
Pentium III 1.4G (133 FSB)	Pass
Pentium III 1G (133 FSB)	Pass
Pentium III 1G (100 FSB)	Pass
Pentium III 933 (133 FSB)	Pass
Pentium III 850 (100 FSB)	Pass
Celeron 1.3G (100 FSB)	Pass
Celeron 1.1G (100 FSB)	Pass
Celeron 1G (100 FSB)	Pass
Celeron 733 (66 FSB)	Pass

VIA C3 750 (100FSB)	Pass
Memory Test – SDRAM PC-133/100	Result
Infineon / HYB39S64800CT-75 / PC133	Pass
NANYA / NT56V6620C0T-75 / PC-133	Pass
NEC / D45128841G5-A75-95F/PC-133	Pass
Kingstone / NT56V6620C0T-75	Pass
KingMax / KINGMAX 128MB SDRAM PC-133	Pass
NEC / D4564841G5-A80-9JF/PC-100	Pass
Hitachi / 5264805DTTA60/PC-100	Pass
Hyndai / D4564841G5-A80-9JF	Pass
NEC / D4564841G5 A80-9JF	Pass
SEITEC / PM72V56841CT6/PC133	Pass
Kingstone / Winbond 202DB W982508BH-75	Pass
NEC / D45128841G5-A75-9JF/ PC-133	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
VGA Card Compatible Test	Result
3D Blaster Savage 4 / PCI Card	Pass
LEMEL S3 TRIO64V2DX/GX / ISA Card	Pass
CIRRUS LOGIC 5429 / ISA Card	Pass
Multi Media Card Compatible Test	Result
Creative AUDIO (PCI bus)	Pass
Creative Sound BLASTER Live5.1 (PCI bus)	Pass
SCSI Card Compatible Test	Result
APTEC / ASC-29160 (PCI bus)	Pass
Takram DC-395U / V1.02 (PCI bus)	Pass
Modem Card Compatible Test	Result
Genuine GM56-AMI2019 (PCI bus)	Pass
LAN Card Compatible Test	Result
3 COM 3C905-TX (PCI bus)	Pass
D-Link FE-530TX Fast Adapter (PCI bus)	Pass
D-Link DWL-500+DWL-1000AP Wireless Adapter (PCI bus)	Pass
Intel SB82559 (20/100Mbps) (PCI bus)	Pass
Other Card Test	Result
YUAN DVD MPEG-2 MPEG CARD (PCI)	Pass
UPMOST 1394 CardBus + FireWire 3.5" HardDisk Enclosure	Pass
PixelView Play Tvpro	Pass

RAID Adapter Card Test	Result
ABIT HotRod 100 Pro (PCI bus)	Pass
HDD Compatible Test	Result
IBM DTLA-307075 / 76.8GB / ATA100	Pass
IBM DTLA-307045 / 46.1GB / ATA100	Pass
IBM DHEA-34330 / 4.3GB / ATA33	Pass
Maxtor 54610H6 / 46.1GB / ATA100	Pass
Maxtor 54098U8 / 40.9GB / ATA66	Pass
Maxtor 30768H1 / 7.6GB / ATA-33	Pass
Quantum QMP30000AS-A / 30GB / ATA100	Pass
Quantum Fireball™ lct/ 20.4GB/ ATA66	Pass
Quantum K13600AT / 13GB / ATA66	Pass
Fujitsu MPE 3136AH / 13.6GB / ATA66	Pass
Fujitsu MPC3043AT-E/ 4.3GB/ ATA33	Pass
Fujitsu MAH3091MP / 9.1GB / Ultra160 / LVD	Pass
Seagate ST39205LW/P / 9GB / Ultra160 /LVD	Pass
IBM DNES-309170 / 9GB / SCSI HDD	Pass
CDROM / DVDROM Test	Result
NEC C&BCD F561B / 52X	Pass
ASUS CD-S500/A / 50X	Pass
TEAC CD-540E / 40X	Pass
SONY CDU4811-81 / 48X	Pass
CREATIVE CD5220E / 52X	Pass
CREATIVE DVD1240E / 12X / DVD-ROM	Pass
PIONEER ATAPI DVD-A03S / 6X / DVD-ROM	Pass
Acer DVP 1640A /16X /DVD-ROM	Pass
MITSUMI CRMG-FX4824T / 48X	Pass
AFREEY CD-2050E / 50X	Pass
BENQ 652A-674/ 52X	Pass
Kodak 4802/ 6X	Pass
RICOH MP7060S/ 24X/ SCSI-CD-ROM	Pass
Acer 6406EU-122/ 4W6R/ USB-CD-ROM	Pass
USB Compatible Test	Result
CMOS Setting Test	Pass
CyberLink Power DVD XP4.0 Remote control	Pass
Acer 6406EU-122 CD-ROM	Pass
HP SJ4200C Scanner	Pass
HP Photo Smart P1000 Print	Pass
IOMEGA ZIP 100MB	Pass
D-Link DSB-H4/ DU-H4 HUB	Pass
MITSUMI FLL3.5 D353GUE/FUE	Pass
Floppy Disk Controller Test	Result
Copy and Compare file between C : and A/B	Pass
Format A/B with system transfer and boot PC from floppy	Pass

Change CMOS Floppy is NONE value	Pass
SWAP FDD	Pass
Peripheral Storage Device Compatible test	Result
Fujitsu MO MCB3064SS (SCSI Type)	Pass
IOMEGA ZIP100M (Parallel Type)	Pass
IOMEGA ZIP100M (IDE Type)	Pass
LS-120 / LKM-F930-1 (IDE Type)	Pass
Compact Flash	Pass
Digital I/O Connector Test	Result
DIO Function Test	Pass
Industry Control Adapter Card Compatible Test-PC104/PC104Plus	Result
AAEON PCM-3730 / Intel 82559 LAN Module / PC104 Plus	Pass
AAEON PCM-3430 / SCSI Module / PC104 Plus	Pass
AAEON PCM-3708 / ATI VGA Mode Module	Pass
AAEON PCM-3794 / PCMCIA Module	Pass
On Board I / O Function Test	Result
COM Port Send-Receive Test	Pass
CheckIt 7.0 Portable Edition Test	Pass
Disk On Module [DOM] Compatibility Test	Result
DOM-256-026P / Rev.A1k20 / IDE 40 Pin	Pass
System Integer Application Test	Result
PCI cards integer application	Pass
Riser Card integer application	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power manager test	Pass
ACPI Power manager test	Pass
Power On Function test	Pass
Wake Up Event Test	Pass
CMOS backup Test	Pass
Boot ROM Test	Pass
COM Address/IRQ Test	Pass
LPT Address /IRQ Test	Pass
Hardware Monitor Test	Pass
Supervisor / User Password Test	Pass
BIOS Awdflash Program Test	Pass
Performance Test – CPU Pentium III 850 , DRAM 128MB	Result
LandMark Speed 2.0 – CPU	6326.70
LandMark Speed 2.0 – FPU	20910.00
LandMark Speed 2.0 – VIDEO	25206.00
WinBench 99 V1.1- CPU mark99	125
WinBench 99 V1.1- FPU winmark	7860
WinBench 99 V1.1- Business Graphic winmark99	175

WinBench 99 V1.1- High_end Graphic winmark99	726
Final Reality V1.01 BenchMark Test – 2D image	12.56
Final Reality V1.01 BenchMark Test – 3D	1.26
Final Reality V1.01 BenchMark Test – Bus transfer	8.88
Final Reality V1.01 BenchMark Test – Overall	5.79
3D WinBenech 2000 v1.0 with DirectX7 and 1024x768x16Bits-Processor Test	3.15
Content Creation Winstone 2000 V1.0 – C.C.Winstone 2000	41.6
WinStone 99 V1.1 – High_end winstone99	46.9
WinStone 99 V1.1 – Business winstone99	48.8
Operation System Compatible Test	Result
Linux Red Hat 7.2	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
Windows XP Home Edition English version	Pass
DOS and DOS Utility Compatibility Testing	Pass
Utility and Driver Test	Result
Red hat Linux 7.2 hardware compatible list for VGA	Pass
Red hat Linux 7.2 hardware compatible list for LAN	Pass
Red hat Linux 7.2 hardware compatible list for Audio	Pass
VGA for Windows 98SE (Silicon Motin Lynex3DM Family 4.13.01.0073)	Pass
VGA for Windows ME (Silicon Motin Lynex3DM Family 4.13.01.0073)	Pass
VGA for WindowsNT 4.0 (Silicon Motin Lynex3DM Family 4.00.1381.0175.4.0.0.)	Pass
VGA for Windows 2000P (Silicon Motin Lynex3DM Family 5.00.2195.0182.)	Pass
VGA for Windows XP (Silicon Motin Lynex3DM Family 5.1.2432.196)	Pass
LAN for Windows 98SE (Intel(R) PRO100 +Management adapter 4.10.2222A)	Pass
LAN for Windows ME (Intel(R) PRO100 +Management adapter 4.90.3000)	Pass
LAN for Windows NT 4.0 (Intel(R) PRO100 +Management adapter 4.03.25.0000)	Pass
LAN for Windows 2000P (Intel(R) PRO100 +Management adapter4.01.673000)	Pass
LAN for Windows XP (Intel(R) PRO100 +Management adapter 5.41.22.00)	Pass
Sound for Windows 98SE (ALC201 Codec5.10.0.3830)	Pass
Sound for Windows ME (ALC201 Codec5.10.0.3830)	Pass
Sound for Windows NT 4.0 (ALC201 Codec4.3.0.3026)	Pass
Sound for Windows 2000P (ALC201 Codec5.10.0.3830)	Pass
Sound for Windows XP (ALC201 Codec5.10.0.3830)	Pass
LCD Monitor Function Test	Result
CRT+LCD or CRT+LCD+TV – Dual or Three Display Function Test	Pass
Hyundai HT12X11-200 /LVDS/12.1”	Pass
Samsung LTM150X1-1-T01 /TTL /15”	Pass
Samyo LTM150XH-L04/LVDS/15”	Pass

Miscellaneous Test	Result
Windows 98 Power manager test	Pass
Windows 2000 Power manager test	Pass
H/W Reset	Pass
Ext. Speaker	Pass
On board buzzer	Pass
HDD LED	Pass
Power LED	Pass
Watchdog – reset	Pass
Watchdog – Software Programming	Pass
ATX power button	Pass
CPU FAN connector	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
COM3	Pass
COM4	Pass
LPT1	Pass
PS2 Keyboard / Mouse	Pass
SIR / 115K bps	Pass
TV-out /AV & S Output	Pass
LCD Display Function Test	Pass

Summary OF Result

Note: Qaplus5.5 COM Port test fail.(Stop Bit test &Word Length Test FAIL).(The same as PCM-6896&SBC-659).