

Mainboard Product Certification Report

Release No : 03E010141

Product Model	PCM-5330
Product Description	STPC Compact Flash , PC/104 , & 4 COM Ports ,Ethernet
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PCM-5330 Rev:A0.3 <input checked="" type="checkbox"/> BIOS: PCM-5330 BIOS Rev:1.1(3/31/2003) <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:

2003-6-6

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Issue date

A.V.P

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°C~60°C for 48hours)	PASS
Dynamic Burn-In test. (Power On/Off Operating at 0°C~60°C for 24hours)	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 –	Result
Electrical characteristics – Normal Mode(+5V)	1.0 A
Electrical characteristics – Suspend Mode(+5V)	0.7 A
Electrical characteristics – Normal Mode(+12V)	0 A
Electrical characteristics – Suspend Mode(+12V)	0 A
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 Accton 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	Note ¹
COM 4 Serial Port	Note ²
CPU Compatible Test	Result
STPC-DX2 133MHZ	PASS
Memory Test – SDRAM PC-133/100	Result
On board NEC CHINA D4564163G5-A80-9JF 0030LBW43	PASS
HDD Compatible Test	Result
IBM DTLA-307075 / 76.8GB / ATA100	PASS
Quantum Fireball™ lct/ 20.4GB/ ATA66	PASS
Fujitsu MPE 3136AH / 13.6GB / ATA66	PASS
Seagate ST330620A	PASS
Maxtor D740X-6L	PASS
IBM IC35L180AVV207-1/180G/ATA133	PASS
CDROM / DVDROM Test	Result
NEC C&C-BCD F561B / 52X	PASS
Acer DVP 1640A /16X /DVD-ROM	PASS
MITSUMI CRMC-FX4824T / 48X	PASS

Kodak 4802/ 6X	PASS
USB Compatible Test	Result
CyberLink Power DVD XP4.0 Remote control	PASS
Acer 6406EU-122 CD-ROM	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
IOMEGA ZIP100M (Parallel 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-5600 / Fax/Modem Module	PASS
AAEON PCM-3115B / PCMICA Module	Note ³
AAEON PCM-3640 / RS-232 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-064-426P /Rev.A2A11 / IDE 44 Pin	PASS
BIOS Function Test	Result
Standard CMOS Setup Test	PASS
Boot Sequence Test	PASS
APM Power manager 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
BIOS Awdflash Program Test	PASS
Operation System Compatible Test	Result
Windows 98SE English	Note ⁴
Windows NT server 4.0 English version	Note ⁵
Windows NT server 4.0 English version with service pack6	Note ⁵
DOS and DOS Utility Compatibility Testing	PASS

Utility and Driver Test	Result
VGA for Windows 98SE (ST Microelectronics STPC 1.13.000)	PASS
VGA for Windows NT 4.0 (ST Microelectronics STPC 4.0.2)	PASS
LAN for Windows 98SE (ADMtek AN983 10/100 Mbps Fast Ethernet Adapter 4.10.2222)	PASS
LAN for Windows NT 4.0 (ADMtek AN983 10/100 Mbps Fast Ethernet Adapter)	PASS
LCD Monitor Function Test	Result
CRT+LCD – Dual Display Function Test	PASS
Toshiba LTM10C209A /TFT/10.4”	PASS
NEC / NL6448BC33-46 / TFT / 10.4”	PASS
Miscellaneous Test	Result
H/W Reset	PASS
Ext. Speaker	PASS
HDD LED	PASS
Power LED	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
LCD Display Function Test	PASS

Summary OF Result
Note ¹ For some COM Port device, the IRQ must be configured less than IRQ8.
Note ² For some COM Port device, the IRQ must be configured less than IRQ8.
Note ³ PCM-3115B no function on Slot2.(Chipset limitation)
Note ⁴ The system can't enter into standby mode in WIN98.(Chipset limitation)
Note ⁵ It's suggested not to product the WinNT into image file, with "ghost" software. Otherwise screen might be messed.