

Mainboard Product Certification Report

Release No : 03E010209

Product Model	PCM-3336
Product Description	386SX-40 PC/104 CPU Module with LCD & SSD
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PCM-3336 A1.3 <input checked="" type="checkbox"/> BIOS: PCM-3336B Rev0.1 (08/14/2003) PCM-3336 BIOS Rev. 1.2(08/26/2003) <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:

2003-8-27

Wayne Chen

Angel Chu

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 – ALi M6117C Onboard8MB	Result
Electrical characteristics – Normal Mode(+5V)	0.98 A
Electrical characteristics – Normal Mode(+12V)	0 A
Touch Screen for serial Ports Test	Result
COM 1 Serial Port	Pass
COM 2 Serial Port	Pass
HDD Compatible Test	Result
W/D WD200EB-OOCPFO / ATA- / 20GB	Pass
Seagate ST330630A /30GB [ID-060]	Pass
IBM-DHA-34330 /4.3GB	Pass
IBM IC35L180AVV207-1 / ATA-133 / 185.2GB	Note ¹
CDROM / DVDROM Test	Result
NEC C&C-BCD F561B / 52X	Pass
TEAC CD-540E-082-U / 40X	Pass
SONY CDU5231 / 52X	Note ²
IBM GCR-8480B / 48X	Pass
MITSUMI FX5400W /54X	Pass
Kodak 4802/6X	Pass
PIONEER ATAPI DVD-A03S / 6X / DVD-ROM	Pass
Acer DVP1640A / 16X / DVD-ROM	Pass
PHILIPS /PBC03210G/32X10X40 /12xDVD	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
SWAP FDD	Pass
Peripheral Storage Device Compatible test	Result
DOC 2000 Model	Pass
DOC Onboard Address	Pass
Industry Control Adapter Card Compatible Test-PC104/PC104Plus	Result
AAEON PCM-3115B / PCMICA Module	Pass
On Board I / O Function Test	Result
COM Port Send-Receive Test	Pass
CheckIt 7.0 Portable Edition Test	Note ³

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	Note ⁴
Power On Function test	Pass
CMOS backup Test	Pass
COM Address/IRQ Test	Pass
LPT Address /IRQ Test	Pass
Supervisor / User Password Test	Pass
BIOS AMI Program Test	Pass
Performance Test – CPU ALi M6117C	Result
LandMark Speed 2.0 – CPU	32.66
LandMark Speed 2.0 – VIDEO	3900
PCBench 9.0 All Video Test 8 bit	783.64
PCBench 9.0 All Video Test 16 bit	1426
PCBench 9.0 CPU Mark 16	17.79
PCBench 9.0 DOS Mark	133.84
PCBench 9.0 Disk Mix	125.29
PCBench 9.0 Video Score	1720.84
Operation System Compatible Test	Result
DOS and DOS Utility Compatibility Testing	Pass
LCD Monitor Function Test	Result
CRT+LCD Display Function Test	Pass
Sharp / LQ121S1DG11 / TFT / 12.1"	Pass
Miscellaneous Test	Result
H/W Reset	Pass
On board buzzer	Pass
HDD LED	Pass
Power LED	Pass
COM1	Pass
COM2	Pass
COM2-RS-422	Pass
COM2-RS-485	Pass
PS2 Keyboard / Mouse	Pass
LCD Display Function Test	Pass

Summary OF Result

Note¹ The system only support under 30GB

Note² The PCM-3336 can't detect SONY CDU5231 / 52X CD-ROM. The same as PCM-3336A1.1

Note ³ The System no support to Check it7.0.
Note ⁴ The system no support to APM function.
Note ⁵ The system only detects 8MB EDO RAM. (onboard is 16MB, Chipset limitation)