

Workstation / IPC Product Certification Report

Release No : 03P010299

Product Model	ONYX-152
Product Description	LCD,PC 15”TFT,PCM-6892,110W Medical AC PS, CD_ROM, FDD, Speakers
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PCM-6892 Rev:A1.0 <input checked="" type="checkbox"/> BIOS: PCM-6892 BIOS Rev:1.1 (01/13/2003) <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: <input type="checkbox"/> General Function

2003-12-10

Issue date

*Wenyuan
 Yang*

Deputy
 Director

Angel Chu

Test Engineer

Test result for certification

Stability Test - Dynamic / Boot_UP Burn_In Test	Result
Dynamic Burn-In test. (Play VCD file Operating at 0°C~40°C for 48hours)	Pass
Dynamic Burn-In test. (Coldstart 50 Times 8 8hours)	Pass
Dynamic Burn-In test. (Hi Temp.Storage Test 48hours. 60)	Pass
Dynamic Burn-In test. (Low Temp Storage Test 48hours.)	Pass
Dynamic Burn-In test. (Humidity Test 48 hors 95%RH@40°C.)	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
Network HUB / LAN Connects Test	Result
LAN1 HP J4095A 24Ports [100 /10 Mbps]	Pass
LAN1 D-Link DES-1008 [100 / 10 Mbps]	Pass
LAN1 Accton DeskTop-3005 [100 / 10 Mbps]	Pass
CPU Compatible Test	Result
Onboard VIA Eden (667MHz)EBGA Mobile CPU (133MHZx6)	Pass
Memory Test – SDRAM PC-133/100	Result
Kingston / Winbond 202DB W982508BH-75 / PC-133 / 512MB	Pass
NEC / D45128841G5-A75-95F / PC-133 / 256MB	Pass
Mosel / V54C3128804VAT7 / PC-133 / 128MB	Pass
Riser Card Test	Result
Maxtor G450 / VC-200203 (VGA Card)	Pass
ATI-Radeon 7500 / IDS-200301 (VGA Card)	Pass
D-Link DWL-520+Wireless LAN / NW-2002001	Pass
D-Link DFE-550TX Fast Ethernet Adapter / NW-2003001(Lan Card)	Pass
Intel SB82559 10/100Mbps / NW-013 (Lan Card)	Pass
Creative Sound Blaster Live5.1 / SC-200200 (Sound Card)	Pass
Takram DC-395U V1.02 / 22-200200 (SCSI Card)	Pass
APTEC/ASC-29160 / SS-200201 (SCSI Card)	Pass
Genuine GM56-AMI2019 / MD-007 (Modem Card)	Pass
USB Function Test	Result
USB Function under Windows 98SE	Pass
USB Keyboard under Dos 6.22	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

Keyboard Pad Function Test	Result
Any Key	Pass
I/O Peripheral Test	Result
FDD Driver A: /B:	Pass
Primary IDE Master	Pass
Primary IDE Slave	Pass
Secondary IDE Master	Pass
COM 1	Pass
COM 2 -232	Pass
COM 3	Pass
PS/2 MOUSE	Pass
LPT 1	Pass
USB Ports	Pass
Compact Flash	Pass
Card Bus	Pass
Buzzer	Pass
Ext. K/B Connector	Pass
ATX Power button	Pass
LAN LED / Function	Pass
Watchdog Software Control	Pass
LCD	Pass
Modular System Industrial Workstatuon Function Test	Result
AC power outlet / inlet	Pass
Power On / Off	Pass
PS/2 keyboard connector	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power manager test	Pass
Power On Function 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
Performance Test –VIA Eden 667MHZ, DRAM 512MB	Result
LandMark Speed 2.0 – CPU	1729.41
LandMark Speed 2.0 – FPU	44683
LandMark Speed 2.0 – VIDEO	3257.18
WinBench 99 V1.1- CPU mark99	38
WinBench 99 V1.1- FPU winmark	1290
WinBench 99 V1.1- Business Graphic winmark99	209

WinBench 99 V1.1- High_end Graphic winmark99	587
Final Reality V1.01 BenchMark Test – 2D image	2.91
Final Reality V1.01 BenchMark Test – 3D	2.91
Final Reality V1.01 BenchMark Test – Bus transfer	1.35
Final Reality V1.01 BenchMark Test – Overall	2.68
High End WinStone 99	23.4
Business WinStone 99	26.3
Operation System Compatible Test	Result
Windows 98SE English version	Pass
Windows ME English / version	Pass
Windows NT workstation 4.0 English version with service pack 6	Pass
Windows 2000 professional English version	Pass
Windows XP Professional English version	Pass
Linux 8.0 English	Pass
DOS and DOS Utility Compatibility Testing	Pass
Utility and Driver Test	Result
VGA for Windows ME (VIA VT8606 AGP 4X 3D Engine4.13.01.0042-11.30.42.01)	Pass
VGA for Windows NT 4.0 (VIA VT8606 AGP 4X 3D Engine 4.1024.1310.0002.4.0.0)	Pass
VGA for Windows 2000P (VIA VT8606 AGP 4X 3D Engine 6.13.10.1030)	Pass
VGA for Windows XP (VIA VT8606 AGP 4X 3D Engine 6.13.10.1031)	Pass
LAN for Windows 98SE (Realtek RTL8139C 5.397.0823.2001)	Pass
LAN for Windows ME (Realtek RTL8139C 5.397.0823.2001)	Pass
LAN for Windows NT 4.0 (Realtek RTL8139C)	Pass
LAN for Windows 2000P (Realtek RTL8139C 5.397.823.2001)	Pass
LAN for Windows XP(Realtek RTL8139C 5.396.530.2001)	Pass
Sound for Windows 98SE (VIA VT82C686B. Integrated SoundBlaster 5.12.01.3200)	Pass
Sound for Windows ME (VIA VT82C686B. Integrated SoundBlaster 5.12.01.3200)	Pass
Sound for Windows NT 4.0 (VIA VT82C686B. Integrated SoundBlaster)	Pass
Sound for Windows 2000P (VIA VT82C686B. Integrated SoundBlaster5.12.01.3200)	Pass
Sound for Windows XP (VIA VT82C686B. Integrated SoundBlaster 5.1.2535.0)	Pass
4 in 1 for Windows 98SE (4.37V)	Pass
4 in 1 for Windows ME (4.37V)	Pass
4 in 1 for Windows NT4.0 (4.37V)	Pass
4 in 1 for Windows 2000P (4.37V)	Pass
4 in 1 for Windows XP (4.37V)	Pass