

P5 Verification Test Plan

Release No : 10P010002

| | |
|--|--|
| Product Model | ONYX-1722 |
| Description | C2D Medical Thin Client 17" 300 nits LCD with Intel Core 2 Duo ULV Processor |
| Test Configuration | <ul style="list-style-type: none"> ⌘ New product ⌘ System : ONYX-1722 ⌘ CPU Board : GENE-9310 Rev A1.0 ⌘ Carrier Board : N/A ⌘ BIOS : ONYX-1722/1922 BIOS Rev 1.0(12/16/2009) ⌘ IO Board: PER-T142 Rev A0.1 ⌘ Power Supply : SINPRO Power Supply / input: 100-240V output:24V / MPU130-108 ⌘ LCD : CPT 17" LCD / CLAA170EA /1280*1024 ⌘ Touch Panel : A-bon 5-wire Analog Resistive / 170F-5RB-A04X-28R-200FH ⌘ Chipset : ⌘ CPU : Intel (R) Core2 Duo U7500 @ 1.06GHz / FSB 533MHz ⌘ North Bridge : Intel 945GME ⌘ South Bridge : ICH7M ⌘ Audio Chipset : Realtek AC97 2.3 Codec 2CH Audio ⌘ Ethernet Chipset : Intel 82573L 10/100/1000 Base-TX LAN ⌘ I/O Chipset : ITE IT8712 <p>⌘ Remark : QE P5 Report for ONYX-1722</p> |
| Test Result Summary | |
| <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____ | |

2010 / 01 / 28

Issue date

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There are 3 test results in this document; they are described as follows:

Pass: Function worked perfectly

Fail: Function failed and must be modified in the next version

N/A: Outside of specification or no test equipment

Platform Information:

| Item | Device Information | Test Item |
|--------------------|---|-----------------|
| System Model | ONYX-1722 | 1,2,3,4,5,6,7,8 |
| CPU Board | GENE-9310 Rev A1.0 | 1,2,3,4,5,6,7,8 |
| BIOS / Version | ONYX-1722/1922 BIOS Rev 1.0(12/16/2009) | 1,2,3,4,5,6,7,8 |
| CPU Type | Intel (R) Core2 Duo U7500 @ 1.06GHz / FSB 533MHz | 1,2,3,4,5,6,7,8 |
| Memory Type | DSL DDR2 SO-DIMM /1G/ 667MHz/ ELPIDA / E5108AJB | 1,2,3,4,5,6,7,8 |
| Primary IDE Master | N/A | N/A |
| Primary IDE Slave | Fujitsu 2.5 “ SATA H.D 80G / MHZ2080BH | 1,2,3,4,5,6,7,8 |
| CRT | View Sonic CRT 17” E70 | 1,2,3,4,5,6,7,8 |
| I/O Board | PER-T142 Rev A0.1 | 1,2,3,4,5,6,7,8 |
| Touch Panel | A-bon 5-wire Analog Resistive / 170F-5RB-A04X-28R-200FH | 1,2,3,4,5,6,7,8 |
| Operating System | [] Linux-RedHat 9.0 or [] Fedora Core 10.0 | N/A |
| | Windows Server 2003 English Version / Standard Edition 5.2.3790 | N/A |
| | Windows Server 2003 English Version /Standard x64 Edition | N/A |
| | Windows XP Professional English Version V2002 Service Pack 3 | 1,2,3,4,5,6,7,8 |
| | Windows XP Professional English Version /Standard x64 Edition | N/A |
| | Windows Vista 32-bit | N/A |
| | Windows Vista 64-bit | N/A |
| | Windows 2000 Professional English Version V5.00.2195 Service Pack4 | N/A |
| | Windows Server 2000 English Version | N/A |
| | Windows 98SE English Version V4.10.2222A | N/A |
| | MS-DOS 6.22 English Version | N/A |
| | Windows XP Embedded | N/A |
| Power Supply | ATX Power : N/A | N/A |
| | AT Power : N/A | N/A |
| | DC Power: SINPRO Power Supply / input: 100-240V output:24V / MPU130-108 | 1,2,3,4,5,6,7,8 |

Test Result for Certification

1. I/O Peripheral Function Test

| I/O Peripheral Function Test –I/O Function | Result | | |
|--|--------|------|-----|
| | Pass | Fail | N/A |
| Floppy Connector / Driver A: | | | X |
| Primary IDE Master | | | X |
| Primary IDE Slave | X | | |
| Secondary IDE Master | | | X |
| Secondary IDE Slave | | | X |
| Third IDE Master | | | X |
| Third IDE Slave | | | X |
| RAID 0 Function Test | | | X |
| RAID 1 Function Test | | | X |
| SATA1 / Serial ATA Connector 1 | X | | |
| SATA2 / Serial ATA Connector 2 | | | X |
| SATA3 / Serial ATA Connector 3 | | | X |
| SATA4 / Serial ATA Connector 4 | | | X |
| Compact Flash – Type I | | | X |
| Compact Flash – Type II | | | X |
| DOC (Disk On Chip) | | | X |
| DOM (Disk On Module) – 40 Pin | | | X |
| DOM (Disk On Module) – 44 Pin | | | X |
| COM 1-232 | X | | |
| COM 2-232 | X | | |
| COM 2-422 | | | X |
| COM 2-485 | | | X |
| COM 2-Ring /+5V /+12V | | | X |
| COM 3-232 | | | X |
| COM 4-232 | | | X |
| COM 5-232 | | | X |
| COM 6-232 | | | X |
| PS/2 Mouse & Keyboard (Internal) | X | | |
| PS/2 Mouse & Keyboard (External) | | | X |
| Audio Connector | X | | |
| Audio 5.1 Channel / S/P DIF | | | X |
| LPT 1 | | | X |
| LPT 2 | | | X |
| IRDA | | | X |
| USB 1/2/3 Ports | X | | |
| USB 4 Ports (For Touch) | X | | |
| USB 2.0 1/2/3 Ports | X | | |
| USB 2.0 4 Ports (For Touch) | X | | |
| DVI Function | | | X |
| DIO Connector | | | X |
| PC/104 | | | X |

| | | | |
|--|---------------|-------------|------------|
| PC/104-Plus | | | X |
| PCI-104 | | | X |
| CD-In Connector | | | X |
| TFT TTL LCD | | | X |
| TFT LVDS LCD | | | X |
| TV-out / S Terminal | | | X |
| TV-out / AV Terminal | | | X |
| Touch Screen – 4 Wire | | | X |
| Touch Screen – 5 Wire | X | | |
| DIMM Slots | X | | |
| Watchdog IRQ n | | | X |
| Watchdog Software Control | X | | |
| CPU FAN Connector | | | X |
| System FAN Connector | | | X |
| Front Panel | Result | | |
| | Pass | Fail | N/A |
| Power On Button (For ATX mode) | X | | |
| IDE LED | | | X |
| External Buzzer | | | X |
| On Board Buzzer | | | X |
| Power LED | X | | |
| Reset Switch | | | X |
| Keyboard Lock | | | X |
| Jumpers Function | Result | | |
| | Pass | Fail | N/A |
| Clear CMOS | X | | |
| Power Connector & Function | Result | | |
| | Pass | Fail | N/A |
| DC Power Connector | X | | |
| ATX 24 Pin Power Connector | | | X |
| ATX Power Connector | | | X |
| ATX Power_12V Connector -4 Pin | | | X |
| AT Power Connector | | | X |
| LAN Connector & Function | Result | | |
| | Pass | Fail | N/A |
| LAN Speed LED | LAN1 | X | |
| | LAN2 | | X |
| LAN Active LED | LAN1 | X | |
| | LAN2 | | X |
| LAN Link LED | LAN1 | X | |
| | LAN2 | | X |
| LAN 10/100 Ethernet | X | | |
| LAN 1G Ethernet | X | | |
| PCI Connector & Function (Gigabyte GN-WIAG/GN-WPEAG (Mini PCI)) | Result | | |
| | Pass | Fail | N/A |
| Mini PCI Slots | X | | |

| | | | |
|---|--------|------|-----|
| PCI Slots | | | X |
| PCI Express *4 | | | X |
| PCI Express *16 | | | X |
| Mini PCI Express | | | X |
| PCMCIA Function | Result | | |
| | Pass | Fail | N/A |
| Intel PRO/Wireless 2011B LAN PC Card (WPC2011BWW) | | | X |
| Accton 10/100 Fast Ethernet CardBus PC Card | | | X |

2. Power Connector Test

| Test Method | Result | | |
|--|--------|------|-----|
| | Pass | Fail | N/A |
| DC Power Connector- Power On/Off for 10 times in DOS | X | | |
| ATX Connector - Power On/Off for 10 times in DOS | | | X |
| AT Connector - Power On/Off for 10 times in DOS | | | X |
| 5V Only - Power On/Off for 10 times in DOS | | | X |

3. Timer Accuracy Test

| System Clock & RTC Clock Test | | | | |
|-------------------------------|---------------------------|--------|------|-----|
| Test Method | Margin for error | Result | | |
| | | Pass | Fail | N/A |
| System Clock in Power On Mode | ±1 second during 24 hours | X | | |
| RTC Clock in Power On Mode | ±1 second during 24 hours | X | | |
| RTC Clock in Power Off Mode | ±1 second during 24 hours | X | | |
| Watchdog Timer Test | | Result | | |
| | | Pass | Fail | N/A |
| Time-out Interval | 10 sec | X | | |
| | 60 sec | X | | |
| | 120 sec | X | | |

4. Network HUB / LAN Connection Test

| Location | | LED Type | | | | Result | | |
|----------|-------|---------------------------|--------------|-----------|-------------------|--------|------|-----|
| | | | | | | Pass | Fail | N/A |
| LAN1 LED | | Active LED | | | | X | | |
| | | Link LED | | | | X | | |
| | | Speed LED | | | | X | | |
| LAN2 LED | | Active LED | | | | X | | |
| | | Link LED | | | | X | | |
| | | Speed LED | | | | X | | |
| Location | Speed | HUB Type | Cable Length | HUB Speed | Onboard LAN Speed | Result | | |
| | | | | | | Pass | Fail | N/A |
| | | D-Link DGS-1008T | 100M | 1GBps | 1G | X | | |
| | | Accton DeskTop-3005 | 100M | 100 MBps | 100 | X | | |
| | | SVEC FD916H (10 Mbps HUB) | 100M | 10 MBps | 10 | X | | |

5. Hardware Compatibility

| CPU Compatible Test | | | | | | | |
|--|--------------------------------|-----------------|-----------|-------------------|--------|------|-----|
| CPU Type | FSB | Prime95 Version | Result | | | | |
| | | | Pass | Fail | N/A | | |
| Intel (R) Core2 Duo U7500 @ 1.06GHz | 533 | V 25.90 | X | | | | |
| Memory Compatibility Test | | | | | | | |
| Memory Brand | Memory Chipset | Frequency | Size | MemTest86 Version | Result | | |
| | | | | | Pass | Fail | N/A |
| DSL | ELPIDA / E5108AJB | 667 | 1 G | V2.11 | X | | |
| Audio Basic Function Test | | | | | Result | | |
| System Sound | | | | | X | | |
| CD_In | | | | | | | X |
| CD_In Sound Recorder | | | | | | | X |
| Play Sound Recorder | | | | | X | | |
| Line Out | | | | | X | | |
| Line In | | | | | | | X |
| Line In Sound Record | | | | | | | X |
| MIC Speaker | | | Dynamic | | X | | |
| | | | Condenser | | X | | |
| MIC Sound Recorder | | | Dynamic | | X | | |
| | | | Condenser | | X | | |
| Audio 5.1 Channel with S/P DIF Function Test | | | | | Result | | |
| 2-channel mode for stereo speaker output | | | | | X | | |
| S/P DIF function Test | | | Input | | | | X |
| | | | Output | | | | X |
| On Board TV Function Test | | | | | Result | | |
| NTSC | | AV Terminal | | | | | X |
| PAL | | | | | | | X |
| NTSC | | S Terminal | | | | | X |
| PAL | | | | | | | X |
| On Board LCD Function Test | | | | | | | |
| TFT LCD | Type | Voltage | Result | | | | |
| | | | Pass | Fail | N/A | | |
| System LCD | CPT CLAA170EA / 17"/ 1280*1024 | 5V | X | | | | |
| PCI Slot Function (PCI Adapter Card) Test | | | | | | | |
| Model | Type | Result | | | | | |
| | | Pass | Fail | N/A | | | |
| CHAINTECH NVIDIA GeForce4 MX440-8X | VGA Card | | | X | | | |

| | | | | |
|---|--------------|---------------|-------------|------------|
| SC3000 CMI8738/C3DX | Sound Card | | | X |
| Takram DC-395U V1.02 | SCSI Card | | | X |
| I-VIEW CP-1400AS (with Age STD-477FAI CCD) | Capture Card | | | X |
| D-Link DWL-520+ Wireless LAN | LAN Card | | | X |
| ADAPTEC 1420SA RoHS 4-Port SATA II RAID | RAID Card | | | X |
| D-Link DU-520 USB 2.0 | USB Hub Card | | | X |
| ISA Slot Function Test | | Result | | |
| | | Pass | Fail | N/A |
| Creative CT4170 Sound Blaster Sound Card | | | | X |
| Adaptec AHA-1510/20/22B SCSI Card | | | | X |
| PCI-Express Function Test | | | | |
| Model | | Result | | |
| | | Pass | Fail | N/A |
| SUNIX SATA1414 VER 1.1 PCI-Express x1 SATA Card | | | | X |
| SksKonnnect SK-9E21D 10/100/1000 Base-T Adapter PCI-Express x1 LAN Card | | | | X |
| Adaptec AAR-1430SA SATAII HostRAID Controllers PCI-Express x4 RAID Card | | | | X |
| ASUS EAX1600PRO/TD/256M/A (ATI Chipset) PCI-Express x16 VGA Card | | | | X |
| WinFast PX6200 TC TDH PCI-Express x16 VGA Card | | | | X |
| HDD Compatibility Test | | | | |
| Model | | Result | | |
| | | Pass | Fail | N/A |
| Fujitsu 2.5 " SATA H.D 80G / MHZ2080BH | | X | | |
| CD/DVD-ROM Compatibility Test | | | | |
| Model | | Result | | |
| | | Pass | Fail | N/A |
| LITE-ON LITEON DX-20A4PU (USB DVD-ROM) | | X | | |
| SONY USB2.0 DVD-R/W DRX-830UL (USB DVD-ROM) | | X | | |
| ASUS DRW-1604P-D/WHT/G/ASUS (USB DVD-ROM) | | X | | |
| IDE Cable Function test | | | | |
| IDE Model | | Result | | |
| | | Pass | Fail | N/A |
| 40 Pin Cable ATA66 | | | | X |
| 44 Pin Cable ATA33 | | | | X |
| 80 Pin Cable ATA100 | | | | X |
| USB Function Test | | | | |
| USB Basic Function Test | | Result | | |
| | | Pass | Fail | N/A |
| USB Controller | | X | | |
| USB 2.0 Controller | | X | | |
| USB Keyboard Support | | X | | |

| | | | | | | | |
|---|--|-----------------|------|--------|------|--------|------|
| USB Mouse Support | | X | | | | | |
| USB 1.1 Compatible Test | | Result | | | | | |
| | | Pass | Fail | N/A | | | |
| USB 1.1 Compatible Test | | X | | | | | |
| USB 2.0 Compatible Test | | Result | | | | | |
| | | Pass | Fail | N/A | | | |
| USB 2.0 Compatible Test | | X | | | | | |
| USB 2.0 Function Test | | Result | | | | | |
| | | Pass | Fail | N/A | | | |
| Install Windows XP Professional from HighSpeed Device: USB2.0 DRW-1604P-D/WHT/G/ASUS | | X | | | | | |
| USB Device Full Loading Test | | Result | | | | | |
| Model | | Pass | Fail | N/A | | | |
| Mitsumi FLL3.5 D353GUE/FUE | | X | | | | | |
| USB HDD 20GB | | X | | | | | |
| USB Card Reader | | X | | | | | |
| USB Mouse | | X | | | | | |
| USB Thumb drive – Kingston USB H.D 8G | | X | | | | | |
| Floppy Disk Controller Function Test | | Result | | | | | |
| | | Pass | Fail | N/A | | | |
| Copy and compare file between C: and A / B: | | | | X | | | |
| Change Floppy to None value | | | | X | | | |
| Swap FDD | | | | X | | | |
| Peripheral Compatibility-Storage Device | | | | | | | |
| Model | | Interface | | Result | | | |
| | | | | Pass | Fail | N/A | |
| FUJITSU MCB3064SS | | SCSI | | | X | | |
| IOMega ZIP 100 parallel port | | Parallel | | | X | | |
| IOMega ZIP100MB Internal ATAPI Drive | | IDE | | | X | | |
| DOC | | Chip | | | X | | |
| Type-II CF | | Fix / PIO Mode | | | X | | |
| Type-II CF | | Fix / UDMA Mode | | | X | | |
| Digital I/O Connector Test | | Result | | | | | |
| | | Pass | Fail | N/A | | | |
| Input Address: | | | | X | | | |
| Output Address: | | | | X | | | |
| VCC: (5V) | | | | X | | | |
| DIO-1 Function Test | | | | X | | | |
| Adapter Compatibility- Industry Control Card PC/104, PC/104+, PCI-104 Modules | | | | | | | |
| Interface | | Model | | Type | | Result | |
| | | | | | | Pass | Fail |

| | | | | | |
|---|-----------------|------------------------|---------------|-------------|------------|
| PC/104 | AAEON PCM-5600 | Modem Module | | | X |
| | AAEON PCM-3115B | PCMCIA Module | | | X |
| PC/104+ | AAEON PCM-3430 | SCSI Module | | | X |
| PCI-104 | AAEON PCM-FA00 | Mini-PCI Converter | | | X |
| | AAEON PCM-3794 | SCSI Module | | | X |
| | AAEON PCM-3730 | Intel 82559 LAN Module | | | X |
| On-Board RAID Function Test | | | | | |
| Model | | Interface | Result | | |
| | | | Pass | Fail | N/A |
| Set SATA HDDs as RAID 0 | | SATA | | | X |
| Set SATA HDDs as RAID 1 | | SATA | | | X |
| Set SATA HDDs as RAID 10 | | SATA | | | X |
| Set SATA HDDs as RAID 5 | | SATA | | | X |
| COM Function Test | | | Result | | |
| | | | Pass | Fail | N/A |
| COM Port Burn In Test overnight –COM1 | | | X | | |
| COM Port Burn In Test overnight –COM2 | | | X | | |
| COM Port Burn In Test overnight –COM3 | | | | | X |
| COM Port Burn In Test overnight –COM4 | | | | | X |
| Disk On Module [DOM] Compatibility Test | | | | | |
| Model | | Interface | Result | | |
| | | | Pass | Fail | N/A |
| Transcend / TS512MDOM40V / 512MB | | IDE 40 Pin | | | X |
| Transcend / TS512MDOM44V / 512MB | | IDE 44 Pin | | | X |
| Mini PCI Card Compatibility Test | | | | | |
| Model (Use PCI-104 transform board: MBC-1TM Rev.A1.0) | | Interface | Result | | |
| | | | Pass | Fail | N/A |
| MiniPCI -WLAN Card - Gigabyte GN-WIAG/GN-WPEAG (mini) PCI WLAN Card | | WLAN | X | | |
| GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM) | | LAN | | | X |
| PER-C20S SATA RAID MiniPCI Card (Silicon Image Sil3512ECTU128 QF7227.1-1) | | SATA | | | X |
| COM/LPT Ports & RS-232/422/485 Function Test | | | Result | | |
| | | | Pass | Fail | N/A |
| RS-422 for COM2 | | | X | | |
| RS-485 for COM2 | | | X | | |
| RS-232 for COM1 | | | X | | |
| RS-232 for COM2 | | | X | | |
| LPT1 | | | | | X |
| LPT2 | | | | | X |

| Card Bus(PCMCIA) Compatibility Function Test | | | |
|--|---------------|-------------|------------|
| Model | Result | | |
| | Pass | Fail | N/A |
| Intel PRO/Wireless 2011B LAN PC Card (WPC2011BWW) | | | X |
| PQI 16MB Compact Flash Adapter (64MB PQI CF Card inserting) | | | X |
| Kingston datapack DP-PCM2 / 2GB (PC Card TypeII HDD) | | | X |
| PCi GW-NS54SG Cardbus Adapter Wireless LAN Type-II | | | X |

6. O.S. Compatibility Test

| Installation Operation System Compatibility Test | | Result | | | |
|--|------------------|---|--------|------|-----|
| | | Pass | Fail | N/A | |
| [] Linux-RedHat 9.0 or [] Fedora Core 8.0 [] Fedora Core 10.0 | | | | X | |
| Windows Server 2003 English Version / Standard Edition 5.2.3790 | | | | X | |
| Windows Server 2003 English Version /Standard x64 Edition | | | | X | |
| Windows XP Professional English Version V2002 Service Pack 3 -32bit | | X | | | |
| Windows XP Professional English Version /Standard x64 Edition -64bit | | | | X | |
| Windows Vista™ Ultimate English Version -32bit | | | | X | |
| Windows Vista™ Ultimate x64 English Version -64bit | | | | X | |
| Windows 2000 Professional English Version V5.00.2195 Service Pack4 | | | | X | |
| Windows Server 2000 English Version | | | | X | |
| Windows 98SE English Version V4.10.2222A | | | | X | |
| DOS 6.22 English Version | | | | X | |
| Windows XP Embedded | | | | X | |
| Utility and Driver Test | | | | | |
| OS | Drivers Version | | Result | | |
| | | | Pass | Fail | N/A |
| Fedora Core 10.0 | Chipset Software | Default Driver | | | X |
| | Graphics Media | Default Driver | | | X |
| | LAN Driver | Default Driver | | | X |
| | Audio Driver | Default Driver | | | X |
| Windows Server 2003 English Version Standard Edition 5.2.3790 | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |
| | LAN Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |
| Windows Server 2003 English Version Standard x64 Edition | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |
| | LAN Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |
| Windows XP Professional English Version V2002 Service Pack 3 | Chipset Software | Intel(R) Chipset Device software - 8.3.1.1009 - 07/26/2007 | X | | |
| | Graphics Media | Mobile Intel(R) 945 Express Chipset Family - 6.14.10.4864 | X | | |
| | LAN Driver | Intel(R) PRO/1000 PL Network Connection - 9.10.8.0 - 08/30/2007 | X | | |
| | Audio Driver | Realtek AC'97 Audio - 5.10.0.6270 - 10/26/2007 | X | | |
| Windows XP Professional x64 Edition English Version Service Pack 2 V2002 | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |
| | LAN1 Driver | N/A | | | X |
| | LAN2 Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |
| Windows Vista™ Ultimate English Version -32bit | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |

| | | | | | |
|--|------------------|-----|--|--|---|
| | LAN1 Driver | N/A | | | X |
| | LAN2 Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |
| Windows Vista™ Ultimate x64 English Version -64bit | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |
| | LAN 1Driver | N/A | | | X |
| | LAN 2Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |
| Windows 2000 Professional English Version V5.00.2195 Service Pack 4 | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |
| | LAN Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |
| Windows Server 2000 English Version | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |
| | LAN Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |
| Windows 98SE English Version V4.10.2222A | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |
| | LAN Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |
| Windows XP Embedded | Chipset Software | N/A | | | X |
| | Graphics Media | N/A | | | X |
| | LAN Driver | N/A | | | X |
| | Audio Driver | N/A | | | X |

7. BIOS Function Test

| Test Item | Result | | |
|-----------------------------------|--------|------|-----|
| | Pass | Fail | N/A |
| Memory Beep Test | | | X |
| Standard CMOS Setup Test | X | | |
| Boot Sequence Test | X | | |
| Power Management Test | | | |
| ATX Power Management Test | X | | |
| AT Power Management Test | | | X |
| Power On Function Test | | | X |
| Wake Up Event Test | X | | |
| Power On after Power Failure Test | X | | |
| CMOS Backup / Clear CMOS Test | X | | |
| Boot ROM Test (RPL/PXE) | X | | |
| Supervisor / User Password Test | X | | |
| CRT / LCD / TV Function Test | | | X |
| TV Standard Function Test | | | X |
| Init Display First Function Test | X | | |
| On-Chip Serial ATA Function Test | X | | |
| SATA Mode-IDE/RAID Function Test | X | | |
| PC Health Status | | | |
| Voltage Monitor Test | X | | |
| FAN Speed Monitor Test | X | | |
| Temperature Monitor Test | X | | |
| USB Onboard Device Function Test | X | | |
| COM Address / IRQ Test | X | | |
| LPT Address / IRQ Test | | | X |
| BIOS Award Program Test | X | | |

8. Performance Test

Platform Information

| | |
|------------------|---|
| System Model | ONYX-1722 |
| BIOS | ONYX-1722/1922 BIOS Rev 1.0(12/16/2009) |
| Operating System | Windows XP Professional SP3 |
| CPU | Intel (R) Core2 Duo U7500 @ 1.06GHz / FSB 533MHz |
| Memory | DSL DDR2 SO-DIMM /1G/ 667MHz/ ELPIDA / E5108AJB |
| SATA H.D | Fujitsu 2.5 " SATA H.D 80G / MHZ2080BH |
| CRT | ViewSonic E70 17' CRT |
| LCD | N/A |
| Chipset Software | Intel(R) Chipset Device software - 8.3.1.1009 - 07/26/2007 |
| Graphics Media | Mobile Intel(R) 945 Express Chipset Family - 6.14.10.4864 |
| LAN Driver | Intel(R) PRO/1000 PL Network Connection - 9.10.8.0 - 08/30/2007 |
| Audio Driver | Realtek AC'97 Audio - 5.10.0.6270 - 10/26/2007 |
| Power Supply | SINPRO Power Supply / input: 100-240V output:24V / MPU130-108 |

Test result:

| Final Reality V1.01—BenchMark Test (Reality Marks) (1280*1024 32bit) | | |
|--|-------|---------------|
| 2D Image | 24.08 | |
| 3D | 5.33 | |
| Bus transfer | 37.10 | |
| Overall | 15.72 | Reality marks |
| 3Dmark2001SE Pro (1280*1024 32bit) | | |
| 3Dmark2001SE Build 330 Benchmark mode | 3322 | |
| 3Dmark2003 v360 (1280*1024 32bit) | | |
| 3Dmark Score | 734 | |
| CPU Score | 411 | |
| PCMark2002 (1280*1024 32bit) | | |
| CPU | 4197 | |
| Memory | 8809 | |
| HDD | 1422 | |
| PCMark05 (1280*1024 32bit) | | |
| PCMark | N/A | |
| CPU | 2727 | |
| Memory | 2480 | |
| Graphics | 653 | |
| HDD | 4609 | |