

Report NO: 10P010017

AEC-6612

P5 Test Report

| | | | | |
|-----------------|--|-------|-------|-------------|
| Summary | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ | | | |
| | Test Result Summary | | | |
| | Critical | Major | Minor | Enhancement |
| Defect Found | 0 | 0 | 0 | 0 |
| Defect Unsolved | 0 | 0 | 0 | 0 |

| | | |
|---|---|--|
| Issue date <hr style="width: 100%;"/> 2010/11/25 | Approval <hr style="width: 100%;"/> Jansin Lee | Test Engineer <hr style="width: 100%;"/> Nisam Jone |
|---|---|--|

Test Suites Overall Results Summary

| No. | Test Category | Test Results |
|-----|-----------------------------------|--------------|
| 1 | I/O Peripheral Function Test | PASS |
| 2 | Power Consumption Test | PASS |
| 3 | Timer Accuracy Test | PASS |
| 4 | Network HUB / LAN Connection Test | PASS |
| 5 | Hardware compatibility | PASS |
| 6 | O.S. Compatibility Test | PASS |
| 7 | BIOS Function Test | PASS |
| 8 | Performance Test | PASS |

Platform Information:

| Item | Device Information | Test Item |
|--|--|-----------------|
| PCB Model / Version | AEC-6612 | 1,2,3,4,5,6,7,8 |
| CPU Board | GENE-LN05 Rev A0.2 | 1,2,3,4,5,6,7,8 |
| Carrier Board | N/A | N/A |
| BIOS / Version | AMI 4.6.4.0 E6612 0.11 x64 09/09/2010 | 1,2,3,4,5,6,7,8 |
| CPU Type | Intel® Atom™ CPU D510 @1.66MHz | 1,2,3,4,5,6,7,8 |
| Memory Type | Onboard 512MB | 1,2,3,4,5,6,7,8 |
| SATA HDD | FUJITSU MHZ2080BH G2 80G | 1,2,3,4,5,6,7,8 |
| USB DVD-ROM | ASUS USB 2.0 DRW-1604P-D | 1,2,3,4,5,6,7,8 |
| LCD Monitor | ViewSonic VA703b 17" LCD Monitor | 1,2,3,4,5,6,7,8 |
| LVDS | N/A | N/A |
| Compact Flash | N/A | N/A |
| Daughter Board | N/A | N/A |
| Expansion Board | N/A | N/A |
| | N/A | N/A |
| Operating System | <input type="checkbox"/> Linux-RedHat 9.0 | 6-1 |
| | <input checked="" type="checkbox"/> Fedora Core 13- Kernel 2.6.33.3-85.fc13.i686 PAE | |
| | <input checked="" type="checkbox"/> Windows 7 Ultimate 32Bit | 6-2 |
| | <input checked="" type="checkbox"/> Windows XP Professional English SP3 32 Bit | 6-3 |
| | <input type="checkbox"/> Windows XP Professional English SP2 64 Bit | |
| DC Adapter : FSP FSP060-DBAB1 12V 5.0A | 1,2,3,4,5,6,7,8 | |

Model Chipset:

| | |
|------------------|--|
| CPU | Intel® Atom™ CPU D510 @1.66MHz |
| North Bridge | Intel® N10 |
| South Bridge | Intel ICH8M |
| VGA Chipset | Intel® GMA 3150 Ver. 6.14.10.5244 (Date: 3/17/2010) |
| Audio Chipset | Realtek Semiconductor Ver. 5.10.0.6101 (Date: 4/30/2010) |
| Ethernet Chipset | Intel® 82567V-3 Ver. 10.1.9.0 (Date: 4/7/2010) |
| | Intel® 82583V Ver. 11.4.7.0 (Date : 12/4/2009) |
| Super IO Chipset | Winbond W83627DHG |

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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 specifications or no test equipment

The test report would be tested and updated after version changed.

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 7.1 Channel / S/P DIF | | | X |
| LPT 1 | | | X |
| LPT 2 | | | X |
| SIR / 115.2 Kbps | | | X |
| FIR / 4M bps | | | X |
| USB 1/2 Ports | X | | |
| USB 3/4 Ports | X | | |
| USB 5/6 Ports | | | X |

| | | | |
|---|--------|------|-----|
| USB 7/8 Ports | | | X |
| USB 2.0 1/2 Ports | X | | |
| USB 2.0 3/4 Ports | X | | |
| USB 2.0 5/6 Ports | | | X |
| USB 2.0 7/8 Ports | | | X |
| DIO Connector | | | X |
| Card Bus | | | X |
| PC/104 | | | X |
| PC/104-Plus | | | X |
| PCI-104 | | | X |
| CD-In Connector | | | X |
| TFT TTL LCD | | | X |
| TFT LVDS LCD | | | X |
| CRT | | | X |
| TV-out / S Terminal | | | X |
| TV-out / AV Terminal | | | X |
| DVI | | | X |
| HDMI | | | X |
| Component Video : Y/ Pb /Pr | | | X |
| Touch Screen – 4 Wire | | | X |
| Touch Screen – 5 Wire | | | X |
| Touch Screen – 8 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 | 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 |
| ATX simulates AT | | | X |
| Audio Out Selection (W/O & W/ Amplifier) | | | X |
| LCD Power Select | | | X |
| COM1-Ring/5V/12V Selection | | | X |
| COM2-Ring/5V/12V Selection | | | X |
| COM2 RS-232/422/485 Selection (Depends on BIOS) | | | X |

| | | | | |
|--|------|---------------|-------------|------------|
| COM3-Ring/5V/12V Selection | | | | X |
| COM4-Ring/5V/12V Selection | | | | X |
| Clear CMOS | | | | X |
| Touch Screen Operating Mode Selection | | | | X |
| Clock Shift of TFT LCD | | | | X |
| Power Connector & Function | | Result | | |
| | | Pass | Fail | N/A |
| AC/DC Adapter | | X | | |
| ATX Power Connector | | | | X |
| ATX Power_12V Connector | | | | X |
| AT Power Connector | | | | X |
| Big 4P Power Connector | | | | X |
| Mini 4P Power Connector | | | | X |
| External Power Connector(-12/-5V) | | | | X |
| Option ATX Power Connector (PS-ON / +5VSB) | | | | X |
| LAN Connector & Function | | Result | | |
| | | Pass | Fail | N/A |
| LAN Link / Speed LED | LAN1 | X | | |
| | LAN2 | X | | |
| LAN Active LED | LAN1 | X | | |
| | LAN2 | X | | |
| LAN 10/100 Ethernet | | X | | |
| LAN 1G Ethernet | | X | | |
| PCI Connector & Function | | Result | | |
| | | Pass | Fail | N/A |
| Mini PCI Slots | | | | X |
| PCI Slots | | | | X |
| PCI Express | | | | X |
| Mini PCI Express card | | | | X |
| Express card | | | | X |

2. Power Consumption Test

Platform Information

| | |
|--|--|
| PCB Model / Version / CPU Board | AEC-6612 |
| Carrier Board | GENE-LN05 Rev A0.2 |
| BIOS | AMI 4.6.4.0 GLN5 0.41 x64 08/04/2010 |
| Operating System | Windows XP Professional English SP3 32 Bit |
| CPU | Intel® Atom™ CPU D510 @1.66MHz |
| Memory | 667MHz 512 [DIMM-0] |
| SATA HDD | FUJITSU MHZ2080BH G2 80G |
| Primary IDE Master | N/A |
| Primary IDE Slave | N/A |
| CRT | N/A |
| LCD | ViewSonic VA703b 17" LCD Monitor |
| Compact Flash | N/A |
| Backplane | N/A |
| Riser Card | N/A |
| Power Supply | FSP FSP060-DBAB1 12V 5.0A |

| Test Equipment | | | | | | |
|--|---------------------------|--------------|---|---------------------|---|-------------|
| Equipment | AC/DC Digital Clamp meter | | | | | |
| Manufacturer | KYORITSU | | | | | |
| Model name | 2010 | | | | | |
| Power Supply | | AC/DC | | AT/ATX Power | | Note |
| Windows XP SP3 with Prime 95 Full Loading Test | I/P:90VAC | 0.44 | A | - | A | |
| Windows XP SP3 without running any Program | I/P:90VAC | 0.35 | A | - | A | |
| AC Input Current | I/P:115VAC | 1.22 | A | - | A | |

3. Timer Accuracy Test

| System Clock & RTC Clock Test | | | | |
|-------------------------------|---------------------------|--------|------|-----|
| Test Method | Margin for error | Result | | |
| | | Pass | Fail | N/A |
| RTC Clock in Power On Mode | ±2 second during 24 hours | X | | |
| RTC Clock in Power Off Mode | ±2 second during 24 hours | X | | |
| Watchdog Timer Test | | Result | | |
| | | Pass | Fail | N/A |
| Time-out Interval | 10 sec | X | | |
| | 60 sec | X | | |
| | 255 sec | X | | |

4. Network HUB / LAN Connection Test

| Location | | LED Type | | | | Result | | |
|--------------|------------------|---------------------------|--------------|-----------|-------------------|--------|------|-----|
| | | | | | | Pass | Fail | N/A |
| LAN1 LED | | Link / Speed LED | | | | X | | |
| | | Active LED | | | | X | | |
| LAN2 LED | | Link / Speed LED | | | | X | | |
| | | Active LED | | | | X | | |
| Location | Speed | HUB Type | Cable Length | HUB Speed | Onboard LAN Speed | Result | | |
| | | | | | | Pass | Fail | N/A |
| Onboard LAN1 | 10/100/1000 Mbps | D-Link DGS-1008T | 100M | 1GBps | 1000 | X | | |
| | | Accton DeskTop-3005 | 100M | 100 MBps | 100 | X | | |
| | | SVEC FD916H (10 Mbps HUB) | 100M | 10 MBps | 10 | X | | |
| Onboard LAN2 | 10/100/1000 Mbps | D-Link DGS-1008T | 100M | 1GBps | 1000 | 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® Atom™ CPU D510 @1.66MHz | MHz | V.256 | X | | | | |
| Memory Compatibility Test | | | | | | | |
| Memory Brand | Memory Chipset | Frequency | Size | MemTest86 Version | Result | | |
| | | | | | Pass | Fail | N/A |
| Onboard | Onboard | 667 | 512 | V1.7 | X | | |
| Audio Basic Function Test | | | | | Result | | |
| | | | | | Pass | Fail | N/A |
| 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 | | |
| | | | | | Pass | Fail | N/A |
| 2-channel mode for stereo speaker output | | | | | | | X |
| 4-channel mode for 4 speaker output | | | | | | | X |
| 6-channel mode for 5.1 speaker output | | | | | | | X |
| 8-channel mode for 7.1 speaker output | | | | | | | X |
| S/P DIF function Test | | | | Input | | | X |
| | | | | Output | | | X |
| On Board TV Function Test | | | | | Result | | |
| | | | | | Pass | Fail | N/A |
| 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 |
| LVDS | AUO G065VN01 V.0 / 6.5" / 640x480 / 18bit (4:3) | 3.3V | | | X |
| | AUO G065VN01 V.0 / 6.5" / 640x480 / 24bit (4:3) | 3.3V | | | X |
| | Data Image 7" / 800*480 / 18bit (16:9) | 3.3V | | | X |
| | AU G084SN05 V.3 / 8.4" / 800*600 / 18bit (4:3) | 3.3V | | | X |
| | AU G150XG01 V.0 / 15" / 1024*768 / 18bit (4:3) | 3.3V | | | X |
| | AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3) | 3.3V | | | X |
| | Toshiba /12.1"/1280 x 768 x 18bit (16:9) | 3.3V | | | X |
| | AU M170EG01 / 17" / 1280*1024 / 48bit (4:3) | 5V | | | X |
| | AU M170XW01 V.1 / 17" / 1280x768 / 24bit (16:9) | 5V | | | X |
| | AUO T260XW02 / 26" / 1366x768 / 24bit | 5V | | | X |
| | AU M201UN02 V.5 / 20.1" / 1600x1200x48bit | 5V | | | X |
| | AUO T370HW01 / 37" / 1920x1080 / 48bit | 5V | | | X |
| | AUO M190PW01 V0 / 19"/1440X900/48 bit | 5V | | | X |
| TTL | Toshiba LTM10C209A / 10.4" / 640*480 / 18bit (4:3) | 5V | | | X |
| | NEC NL8060AC31-12 / 12.1" / 800*600 / 18bit (4:3) | 3.3/5V | | | X |
| | Sharp LQ121S1DG11 / 12.1" / 800*600 / 18bit (4:3) | 3.3V | | | X |
| | LG LM151X2-C2TH / 15.1" / 1024x768 / 18bit (4:3) | 3.3V | | | X |
| | Fujitsu FLC38XGC6V-06 / 15" / 1024*768 / 36bit (4:3) | 5V | | | X |

PCI Slot Function (PCI Adapter Card) Test

| Model | Type | Result | | |
|--|--------------|--------|------|-----|
| | | Pass | Fail | N/A |
| CHAINTECH NVIDIA GeForce4 MX440-8X | VGA Card | | | X |
| Creative Sound BLASTER Live5.1 | Sound Card | | | X |
| Takram DC-395U V1.02 | SCSI Card | | | X |
| ADAPTEC Ultra160 SCSI ASC-29160 | SCSI Card | | | X |
| I-VIEW CP-1400AS (with Age STD-477FAI CCD) | Capture Card | | | X |
| Intel GD82559 10/100 Mbps Fast Ethernet Adapter | LAN Card | | | X |
| 3Com 3C905C-TXM ETHERLINK 10/100 PCI | LAN Card | | | X |
| D-Link DWL-520+ Wireless LAN | LAN Card | | | X |
| ADAPTEC 1420SA RoHS 4-Port SATA II RAID | RAID Card | | | X |
| LEMEL MD V1456VQH-P2 PCI MODEM Card | Modem Card | | | X |
| D-Link DU-520 USB 2.0 | USB Hub Card | | | X |
| Tekram TR-822 Serial ATA 150 [SA-001] + SATA HDD Seagate ST3120026AS 120GB | SATA Card | | | X |

ISA Slot Function Test

| | Result | | |
|--|--------|------|-----|
| | Pass | Fail | N/A |
| NE2000 Compatible LAN Card (RTL8019AS) | | | 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 |
| Seagate / ST3160815A / 160GB /PATA-100 | | | X |
| Fujitsu MHY2080BH 80GB 2.5" HDD / ATA-133 / SATA | X | | |
| Western Digital/WD8800AAJS / 80GB / SATA II | | | X |
| HITACHI HDP725025GLA380 / 250GB / SATA 3.0Gb | | | X |
| IDE Cable Function test | | | |
| IDE Model | Result | | |
| | Pass | Fail | N/A |
| 40 Pin Cable ATA100 | | | 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 | | |
| | Pass | Fail | N/A |
| Model | | | |
| Mitsumi FLL3.5 D353GUE/FUE | X | | |
| USB HDD 20GB | X | | |

| | | | |
|---|--------|------|-----|
| USB Card Reader | X | | |
| USB Mouse | X | | |
| USB Flash drive Transcend 2GB | 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 | | | | X |
| Type-I CF | Fix / PIO Mode | X | | |
| Type-I CF | Fix / UDMA Mode | X | | |

| Digital I/O Connector Test | | | | |
|--------------------------------|--|--------|------|-----|
| | | Result | | |
| | | Pass | Fail | N/A |
| Input Address: BF | | | | X |
| Output Address: 33 | | | | X |
| VCC: (5V) , Position : (801) | | | | X |
| DIO-1 Function Test | | | | X |
| DIO-2 Function Test | | | | X |

| Adapter Compatibility- Industry Control Card PC/104, PC/104+, PCI-104 Modules | | | | | |
|---|-----------------|------------------------|--------|------|-----|
| Interface | Model | Type | Result | | |
| | | | Pass | Fail | N/A |
| 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 |
| PCI/104 Express | AAEON PER-123 | | | X | |

| On-Board SCSI Function Test | | | | |
|-----------------------------|-----------------|--------|------|-----|
| Model | Interface | Result | | |
| | | Pass | Fail | N/A |
| RICOH MP7060S | SCSI-CDROM 24X | | | X |
| Fujitsu MCB3064SS | SCSI-MO Device | | | X |
| Seagate 32155W | SCSI-HDD 2.15GB | | | X |
| IBM DNES-309170 | SCSI-HDD 9GB | | | X |

| Seagate ST39205LW/P | 9GB / Ultra160 / LVD | | | 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 | | 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 | Interface | Result | | |
| | | Pass | Fail | N/A |
| PCI 10/100 LAN Mini PCI Card (Model:PER-C10L) | LAN | | | X |
| GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM) | WLAN | | | 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 | | |
| COM1 | | X | | |
| COM2 | | X | | |
| COM3 | | X | | |
| COM4 | | X | | |
| COM5 | | | | X |
| COM6 | | | | 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 Typell 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-Red Hat 9.0 or [X] Fedora Core 13 Kernel 2.6.33.3-85.fc13.i686 PAE | | X | | | |
| Windows 7 Ultimate English Version | | X | | | |
| Windows 7 Ultimate x64 Edition English Version | | | | X | |
| Windows Vista TM Ultimate English Version | | | | X | |
| Windows Vista TM Ultimate x64 Edition English Version | | | | X | |
| Windows XP Professional English Version V2002 Service Pack 3 | | X | | | |
| Windows XP Professional English Version /Standard x64 Edition | | | | X | |
| Windows 2000 Professional English Version V5.00.2195 Service Pack4 | | | | X | |
| Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4 | | | | X | |
| Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4 | | | | X | |
| Windows Server 2000 English Version | | | | X | |
| Windows Server 2003 English Version / Standard Edition 5.2.3790 | | | | X | |
| Windows Server 2003 English Version /Standard x64 Edition | | | | X | |
| Windows 98SE English Version V4.10.2222A | | | | X | |
| DOS 6.22 English Version | | | | X | |
| Utility and Driver Test | | | | | |
| OS | Drivers Version | | Result | | |
| | | | Pass | Fail | N/A |
| Linux- Fedora Core 13 Kernel 2.6.33.3-85.fc13.i686 PAE | Chipset Software | Default Driver | X | | |
| | Graphics Media | Default Driver | X | | |
| | LAN Driver | Default Driver | X | | |
| | Audio Driver | Default Driver | X | | |
| Windows 7 Ultimate English Version | Chipset Software | Intel infinst_autol Ver.6.1.7600.16385 (Date: 6/21/2006) | X | | |
| | Graphics Media | Intel ® GMA 3150 Ver. 8.14.10.2117 (Date: 4/19/2010) | X | | |
| | LAN Driver | Intel ® 82567V-3 Ver. 10.1.9.0 (Date: 4/7/2010) | X | | |
| | | Intel ® 82583V Ver. 11.4.7.0 (Date : 12/4/2009) | X | | |
| Audio Driver | Realtek Semicoductor Ver. 6.0.1.6101 (Date: 4/30/2010) | X | | | |
| Windows Vista TM Ultimate English Version | Chipset Software | | | | X |
| | Graphics Media | | | | X |

| | | | | | |
|---|--|--|---|--|---|
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows Vista TM Ultimate x64 Edition English Version | Chipset Software | | | | X |
| | Graphics Media | | | | X |
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows XP Professional English Version V2002 Service Pack 3 | Chipset Software | Intel infinst_autol Ver.9.1.1.1009 (Date: 3/9/2009) | X | | |
| | Graphics Media | Intel ® GMA 3150 Ver. 6.14.10.5244 (Date: 3/17/2010) | X | | |
| | LAN Driver | Intel ® 82567V-3 Ver. 10.1.9.0 (Date: 4/7/2010) | X | | |
| | | Intel ® 82583V Ver. 11.4.7.0 (Date : 12/4/2009) | | | |
| Audio Driver | Realtek Semiconductor Ver. 5.10.0.6101 (Date: 4/30/2010) | X | | | |
| Windows XP Professional x64 Edition English Version Service Pack 2 V2002 | Chipset Software | | | | X |
| | Graphics Media | | | | X |
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows 2000 Professional English Version V5.00.2195 Service Pack 4 | Chipset Software | | | | X |
| | Graphics Media | | | | X |
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4 | Chipset Software | | | | X |
| | Graphics Media | | | | X |
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4 | Chipset Software | | | | X |
| | Graphics Media | | | | X |
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows Server 2000 English Version | Chipset Software | | | | X |
| | Graphics Media | | | | X |
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows Server 2003 English Version Standard Edition 5.2.3790 | Chipset Software | | | | X |
| | Graphics Media | | | | X |

| | | | | | |
|--|---------------------|--|--|--|---|
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows Server 2003 English Version Standard x64 Edition | Chipset Software | | | | X |
| | Graphics Media | | | | X |
| | LAN Driver | | | | X |
| | Audio Driver | | | | X |
| Windows 98SE English Version V4.10.2222A | Chipset Software | | | | X |
| | Graphics Media | | | | X |
| | LAN Driver | | | | X |
| | Audio Driver | | | | 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 | | | |
| APM Power Management Test | | | X |
| ACPI 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 | | |
| 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 | | |
| Swap Floppy Drive & Boot up Floppy Seek Function Test | | | X |
| USB Onboard Device Function Test | X | | |
| COM Address / IRQ Test | X | | |
| LPT Address / IRQ Test | | | X |
| BIOS AMI Program Test | X | | |

8. Performance Test

Platform Information:

| | |
|------------------|--|
| PCB Board | AEC-6612 |
| BIOS | AMI 4.6.4.0 GLN5 0.41 x64 08/04/2010 |
| Operating System | Windows XP Professional English SP3 32 Bit |
| CPU | Intel® Atom™ CPU D510 @1.66MHz |
| Memory | 667MHz 512 [DIMM-0] |
| SATA HDD | FUJITSU MHZ2080BH G2 80G |
| LCD monitor | ViewSonic VA703b 17" LCD Monitor |
| Chipset Software | Intel infinst_autol Ver.9.1.1.1009 (Date: 3/9/2009) |
| Graphics Media | Intel ® GMA 3150 Ver. 6.14.10.5244 (Date: 3/17/2010) |
| LAN Driver | Intel ® 82567V-3 Ver. 10.1.9.0 (Date: 4/7/2010) Intel ® 82583V Ver. 11.4.7.0 (Date : 12/4/2009) |
| Audio Driver | Realtek Semiconductor Ver. 5.10.0.6101 (Date: 4/30/2010) |
| Power Supply | FSP FSP060-DBAB1 12V 5.0A |

Test Result: (Display set 1024*768 test)

| Testing Software | Result | Unit |
|---|--------|---------------|
| PCMark2002 | | |
| CPU | 2782 | |
| Memory | 6962 | |
| HDD | 1357 | |
| Final Reality V1.01—BenchMark Test | | |
| 2D image | 20.68 | |
| 3D | N/A | |
| Bus transfer | N/A | |
| Overall | N/A | Reality marks |
| 3Dmark2003 | | |
| 3Dmark Score | 936 | |
| CPU Score | 303 | |
| Testing Software | Result | Unit |
| PCMark05 | | |
| PCMark | 2120 | PCMarks |
| CPU | 2039 | |
| Memory | 2552 | |

| | | |
|-------------------|------|--|
| Graphics | 777 | |
| HDD | 4735 | |
| 3Dmark2006 | | |
| 3Dmark Score | 170 | |
| CPU Score | 900 | |