



**AAEON Technology INC.**  
ISO-9001/ISO-14001 Certified  
Industrial Automation PCs

**SBC-558**

**QE Compatibility Test Report**

**Release Date :June 09, 1999**

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**Issue Stamp**

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**QA Manager**

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**QE Manager**

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**Test Engineer**

## Summary of contents :

|   |           |
|---|-----------|
| <b>Cover Sheet</b> .....  | <b>1</b>  |
| <b>Summary of contents</b> .....  | <b>2</b>  |
| <b>1. Margin</b> .....  | <b>3</b>  |
| Includes temperature, DC voltage and IDE cable length tests.                    |           |
| <b>2. Stability</b> .....   | <b>4</b>  |
| Includes burn-in and booting tests .  |           |
| A. Burn-In Testing(25°C/24hrs).....   | 4         |
| B. Burn-In Testing(Climatic Sequence/48hrs).....                                | 4         |
| C. Booting Testing(25°C).....   | 4         |
| D. Booting Testing(Damp Heat,Cyclic/24hrs).....                                 | 4         |
| <b>3. Performance</b> .....   | <b>5</b>  |
| Includes performance indexes using various performance test software programs . |           |
| <b>4. Power consumption data</b> .....  | <b>6</b>  |
| Includes +5V current rate .   |           |
| <b>5. Hardware compatibility</b> .....  | <b>7</b>  |
| Includes CPU , DRAM , adapter card and HDD compatibility tests.                 |           |
| A. Component Compatibility- CPU.....  | 7         |
| B. Component Compatibility- DRAM SIMM Module.....                               | 7         |
| C. Adapter Compatibility- VGA.....  | 7         |
| D. Adapter Compatibility- LAN.....  | 7         |
| E. Adapter Compatibility- SCSI Card.....  | 7         |
| F. Adapter Compatibility- Other Card.....                                       | 8         |
| G. Adapter Compatibility- Industry Control Card.....                            | 8         |
| H. Peripheral Compatibility- HDD Device.....                                    | 8         |
| I. Peripheral Compatibility- Storage Device.....                                | 9         |
| J. Peripheral Compatibility- Others.....  | 9         |
| K. Peripheral Compatibility- Input Device.....                                  | 10        |
| L. On_Board Network Hardware (physical) Compatibility.....                      | 11        |
| <b>6. Software compatibility</b> .....  | <b>13</b> |
| Includes various OS and application software tests.                             |           |
| A. O.S. Compatibility.....  | 13        |
| B. Microsoft Windows & IBM OS/2 Compatibility Test(HCT).....                    | 13        |
| C. Microsoft Windows 98 Hardware Compatibility Test(HCT).....                   | 14        |

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

**Pass:** It worked perfectly

**Fail:** Test failed, and to 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.**

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# 1. Margin Testing

## System Information:

|                                       |  |
|---------------------------------------|--|
| DRAM/SDRAM Capacity & BRAND(SIMM Qty) | Brand: NEC D4516821AG-A10-9NF <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128MB<br><input type="checkbox"/> DRAM <input checked="" type="checkbox"/> SDRAM <input checked="" type="checkbox"/> SODIMM <input type="checkbox"/> _____ Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 |
| System BIOS Version                   | <input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: 1.0  |
| O.S. Environment                      | <input checked="" type="checkbox"/> MSDOS6.22 <input type="checkbox"/> _____   |
| VGA Card                              | <input checked="" type="checkbox"/> OnBoard C&T69000   |
| DOC Type                              | M-System DOC2000 <input type="checkbox"/> 4MB <input type="checkbox"/> 8MB <input type="checkbox"/> 16MB <input checked="" type="checkbox"/> 24MB <input type="checkbox"/> __MB  |

## Test Result:

| High Temperature: 2 Hours                |  |   |   |
|--|--|---|---|
| Testing CPU:Tillamook MMX 266MHz         | <input type="checkbox"/> COM1 LB         | <input type="checkbox"/> COM2 LB                  | <input type="checkbox"/> LPT LB   |
| Test Program:                            | <input type="checkbox"/> QAPlus/FE V5.29 | <input checked="" type="checkbox"/> AMIDIAG V5.11 |   |
| <input checked="" type="checkbox"/> 55°C | <input checked="" type="checkbox"/> 60°C | <input checked="" type="checkbox"/> 65°C          | <input checked="" type="checkbox"/> 70°C <input checked="" type="checkbox"/> 75°C <input checked="" type="checkbox"/> 80°C <input checked="" type="checkbox"/> 85°C |

| Low Temperature: 2 Hours                 |   |   |   |
|--|---|---|---|
| Testing CPU:Tillamook MMX 266MHz         | <input type="checkbox"/> COM1 LB          | <input type="checkbox"/> COM2 LB                  | <input type="checkbox"/> LPT LB   |
| Test Program:                            | <input type="checkbox"/> QAPlus/FEV5.29   | <input checked="" type="checkbox"/> AMIDIAG V5.11 | <input checked="" type="checkbox"/> 5°C <input checked="" type="checkbox"/> 0°C   |
| <input checked="" type="checkbox"/> -5°C | <input checked="" type="checkbox"/> -10°C | <input checked="" type="checkbox"/> -15°C         | <input checked="" type="checkbox"/> -20°C <input checked="" type="checkbox"/> -25°C <input checked="" type="checkbox"/> -30°C <input checked="" type="checkbox"/> -35°C <input checked="" type="checkbox"/> -40°C |

| High Voltage: 2 Hours/25°C                         |   |  |  |
|--|---|--|--|
| Testing CPU: Intel Celeron 466MHz                  | <input type="checkbox"/> COM1 LB                    | <input type="checkbox"/> COM2 LB                   | <input type="checkbox"/> LPT LB  |
| Test Program:                                      | <input checked="" type="checkbox"/> QAPlus/FE V5.29 | <input type="checkbox"/> AMIDIAG V4.50             |  |
| <input checked="" type="checkbox"/> A Grade: 5.20V | <input checked="" type="checkbox"/> B grade: 5.25V  | <input checked="" type="checkbox"/> C Grade: 5.30V | <input type="checkbox"/> D Grade: 5.35V <input type="checkbox"/> E Grade: 5.4V |

| Low Voltage: 2 Hours/25°C                          |   |  |  |
|--|---|--|--|
| Testing CPU: Intel Celeron 466MHz                  | <input type="checkbox"/> COM1 LB                    | <input type="checkbox"/> COM2 LB                   | <input type="checkbox"/> LPT LB  |
| Test Program:                                      | <input checked="" type="checkbox"/> QAPlus/FE V5.29 | <input type="checkbox"/> AMIDIAG V4.50             |  |
| <input checked="" type="checkbox"/> A Grade: 4.80V | <input checked="" type="checkbox"/> B grade: 4.75V  | <input checked="" type="checkbox"/> C Grade: 4.70V | <input checked="" type="checkbox"/> D Grade: 4.65V <input checked="" type="checkbox"/> E Grade: 4.6V |

## 2 . Stability Testing

### System Information:

|                                       |  |
|---------------------------------------|--|
| DRAM/SDRAM Capacity & BRAND(SIMM Qty) | Brand: NEC D4516821AG5-A10-9NF <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128MB<br><input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 |
| System BIOS Version                   | <input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: 1.0  |
| O.S. Environment                      | <input checked="" type="checkbox"/> MSDOS6.22 <input type="checkbox"/>   |
| VGA Card                              | <input checked="" type="checkbox"/> OnBoard C&T69000   |
| DOC Type                              | M-System DOC2000 <input type="checkbox"/> 4MB <input type="checkbox"/> 8MB <input type="checkbox"/> 16MB <input checked="" type="checkbox"/> 24MB <input type="checkbox"/> MB  |

### A. Burn-In Testing (24Hours)

Test Condition : Under Room Temp. 25°C

| Test Software   | Pass | Fail | Note |
|-----------------|------|------|------|
| QAPlus/FE V5.29 | ✓    |      |      |

### B. Burn-In Testing (48 Hours)

Test Condition : Burn-In Under Temp. -10°C ~70°C (IEC-68-2-61)

| Test Software   | Pass | Fail | Note |
|-----------------|------|------|------|
| QAPlus/FE V5.29 | ✓    |      |      |

### C. Booting Testing

Test Condition : Under Room Temp. 25°C

| Test Method            | Actual | Successful | Failure rate | On time | Off Time | Note |
|------------------------|--------|------------|--------------|---------|----------|------|
| Power On/Off 1000Times | 1000   | 1000       | 0.1 %        | 70 Sec  | 5 Sec    |      |
| KB Reset 20Times       | 20     | 20         | %            | Sec     | Sec      |      |
| H/W Reset 1000Times    | 1000   | 1000       | 0.1 %        | 63 Sec  | 5 Sec    |      |

### D. Burn-In Booting Testing (24 Hours)

Test Condition : Burn-In Under Temp. -10°C ~70°C (IEC-68-2-30)

| Test Method  | Actual | Successful | Failure rate | On time | Off Time | Note |
|--------------|--------|------------|--------------|---------|----------|------|
| Power On/Off | 2172   | 2172       | 0%           | 70 Sec  | 8 Sec    |      |

### 3 . Performance Testing

#### System Information:

|                                       |   |
|---------------------------------------|---|
| DRAM/SDRAM Capacity & BRAND(SIMM Qty) | Brand:NEC D4564163G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input checked="" type="checkbox"/> 64 <input type="checkbox"/> 128MB<br><input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 |
| System BIOS Version                   | <input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: 1.0   |
| O.S. Environment                      | <input checked="" type="checkbox"/> MSDOS6.22 <input checked="" type="checkbox"/> Windows 98 <input type="checkbox"/> Windows NT <input type="checkbox"/>   |
| VGA Card                              | <input checked="" type="checkbox"/> OnBoard C&T69000  |
| VGA Memory                            | <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M <input type="checkbox"/>   |
| HDD Type                              | <input checked="" type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj : 51536U3   |
| VGA Testing Mode                      | 1024X768X65536c (For WinStone & WinBench)   |
| Driver or Utility                     | <input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : 82559 LAN   |

#### Operating System Environment (DOS Mode)

|   |   |
|---|---|
| Config.sys  | Autoexec.bat                            |
| Device=c:\dos\himem.sys<br>dos=high,umb<br>files=35<br>Buffers=40 | Prompt \$p\$g<br>c:\dos\smartdrv.exe /x |

#### Testing Software

| Testing Utility             | CPU Type              |  |  |  | Unit    |
|-----------------------------|-----------------------|--|--|--|---------|
|                             | Tillamook<br>MMX 266M |  |  |  |         |
| <b>LandMark Speed 2.0</b>   |                       |  |  |  |         |
| CPU                         | 1749.07               |  |  |  | MHz     |
| FPU                         | 5350.45               |  |  |  | MHz     |
| VIDEO                       | 9102                  |  |  |  | Chs/sec |
| <b>Norton 8.0</b>           |                       |  |  |  |         |
| SI                          | 907.5                 |  |  |  | ID      |
| <b>Power Meter 2.02</b>     |                       |  |  |  |         |
| MIPS Test                   | 135.4                 |  |  |  | Mips    |
| <b>WinStone 99</b>          |                       |  |  |  |         |
| HighEnd Graphic WinStone99  | 14.9                  |  |  |  |         |
| Business Graphic Winstone99 | 14.8                  |  |  |  |         |
| <b>WinBench 99</b>          |                       |  |  |  |         |
| H.E. Graphic WinMark 99     | 165                   |  |  |  | MP/s    |
| Business Graphic WinMark99  | 56.8                  |  |  |  | TB/s    |
| CPUMark 32                  | 490                   |  |  |  |         |
| <b>Coretest V3.02</b>       |                       |  |  |  |         |
| DTR (Buffered Read)         | 24896                 |  |  |  | KB/Sec  |
| Performance ID              | N/A                   |  |  |  |         |
| <b>Wintech V1.2</b>         |                       |  |  |  |         |
| Overall WinTach RPM         | 312.85                |  |  |  |         |
|                             |                       |  |  |  |         |

## 4 . Power Consumption

### System Information:

|                      |                        |
|----------------------|------------------------|
| DRAM Type & Capacity | NEC D4564163G5-A10-9JF |
| VGA Card             | Onboard : C&T 69000    |
| DOC or Floppy        | M-Systems : MD2200-D24 |
| VGA Testing Mode     | 640*480*16             |
| O.S.                 | DOS 6.22               |

### Operating System Environment (DOS Mode)

|   |   |
|---|---|
| Config.sys  | Autoexec.bat                            |
| Device=c:\dos\himem.sys<br>dos=high,umb<br>files=35<br>Buffers=40 | Prompt \$p\$g<br>c:\dos\smartdrv.exe /x |

### Test Software (DOS Mode):

|               |                                    |
|---------------|------------------------------------|
| Test Software | Landmark Speed V.2.0(Speed200.exe) |
|---------------|------------------------------------|

### Test Result:

| Mode Type         | CPU Type                   |  |  |  | Unit    |
|-------------------|----------------------------|--|--|--|---------|
|                   | Tillamook<br>MMX<br>266MHz |  |  |  |         |
| Normal Mode(+5V)  | 2.2                        |  |  |  | amp/max |
| Suspend Mode(+5V) | 1.2                        |  |  |  | amp/max |
|                   |                            |  |  |  |         |

Note :

SUSPEND Model all function off

## 5 . Hardware Compatibility

### A. Component Compatibility- CPU

#### CPU Device List:

| Brand | Device Model         | Pass | Fail | Note    |
|-------|----------------------|------|------|---------|
| Intel | Tillamook MMX 266MHz | ✓    |      | OnBoard |
|       |                      |      |      |         |
|       |                      |      |      |         |

### B. Component Compatibility- DRAM SODIMM Module

#### DRAM SODIMM Model List:

| Brand   | Device Model              | Pass | Fail | Note |
|---------|---------------------------|------|------|------|
| NEC     | D4564163G5-A10-9JF 64MB   | ✓    |      |      |
| NEC     | D4516821AG5-A10-9NF 16MB  | ✓    |      |      |
| TOSHIBA | TC59SM716FT-80 128MB      | ✓    |      |      |
| SIEMENS | HYB39S64160AT-8 64MB      | ✓    |      |      |
| NEC     | D45128163G5-A80-9JF 128MB | ✓    |      |      |
| NEC     | D4564163G5-A80-9JF 32MB   | ✓    |      |      |
|         |                           |      |      |      |
|         |                           |      |      |      |

### C. Adapter Compatibility- VGA Card

#### VGA Adapter List:

| Brand       | Device Model | Pass | Fail | Note |
|-------------|--------------|------|------|------|
| Onboard VGA | C&T 69000    | ✓    |      |      |
|             |              |      |      |      |
|             |              |      |      |      |

### D. Adapter Compatibility- LAN Card

#### Action:

|   |                           |
|---|---------------------------|
| 1. Load ODI Driver (Lsl,lpxodi,Vlm Or Netx)     | 2. Login To Server System |
| 3. Transfer Data Between SRV And WK(Multy Task) | 4. logout                 |

#### LAN Adapter List:

| Brand | Device Model                | Pass | Fail | Note |
|-------|-----------------------------|------|------|------|
| Intel | PRO/100+ Management Adapter | ✓    |      |      |
| Intel | EtherExpress™ PRO/100 (ISA) | ✓    |      |      |
| 3 COM | EtherLink III 3C509B (ISA)  | ✓    |      |      |
| REL   | RTL8019                     | ✓    |      |      |
| Svec  | Ethernet Card               | ✓    |      |      |
|       |                             |      |      |      |
|       |                             |      |      |      |

### E. Adapter Compatibility- SCSI Card

#### SCSI Adapter List:

| Brand   | Device Model | Pass | Fail | Note |
|---------|--------------|------|------|------|
| Adaptec | AHA-1520B    | ✓    |      |      |
|         |              |      |      |      |
|         |              |      |      |      |

**F. Adapter Compatibility- Other Card****Adapter Card List:**

| Brand                   | Device Model | Pass | Fail | Note |
|-------------------------|--------------|------|------|------|
| <b>MPEG Card</b>        |              |      |      |      |
| <b>Lemel Magic</b>      | MPEG Card    | ✓    |      |      |
| <b>Sound Card (ISA)</b> |              |      |      |      |
| <b>CREATIVE</b>         | CT2502-SDQ   | ✓    |      |      |
| <b>CREATIVE</b>         | CT2511-SBT   | ✓    |      |      |
| <b>LEMEL</b>            | ESS ES1868F  | ✓    |      |      |

**G. Adapter Compatibility- Industry Control Card****Industry Control Adapter List:**

| Brand             | Device Model             | Pass | Fail | Note |
|-------------------|--------------------------|------|------|------|
| <b>104 Module</b> |                          |      |      |      |
| <b>AAEON</b>      | PCM-3115(PCMCIA 2 SLOTS) | ✓    |      |      |
| <b>AAEON</b>      | PCM-3600(FAX/MODEM)      | ✓    |      |      |
| <b>AAEON</b>      | PCM-3820 rev. C (SSD)    | ✓    |      |      |
| <b>AAEON</b>      | PCM-3820C (SSD)          | ✓    |      |      |
| <b>AAEON</b>      | PCM-3110 (PCMCIA MASTER) | ✓    |      |      |
| <b>AAEON</b>      | PCM-3660 (ETHERNET)      | ✓    |      |      |
| <b>AAEON</b>      | PCM-3420 (SCSI)          | ✓    |      |      |
| <b>AAEON</b>      | PCM-3111 (PCMCIA MASTER) | ✓    |      |      |

**H. Peripheral Compatibility-HDD Device****HDD List:**

| Brand                  | Device Model    | Pass | Fail | Note |
|------------------------|-----------------|------|------|------|
| <b>Western Digital</b> | WD Caviar 26400 | ✓    |      |      |
| <b>Western Digital</b> | WD Caviar 28400 | ✓    |      |      |
| <b>Quantum</b>         | TM17A012        | ✓    |      |      |
| <b>Quantum</b>         | FIREBALL        | ✓    |      |      |
| <b>Seagate</b>         | ST51270A        | ✓    |      |      |
| <b>Seagate</b>         | ST34520W SCSI   | ✓    |      |      |
| <b>Maxtor</b>          | 910801D5        | ✓    |      |      |
| <b>Maxtor</b>          | 51536U3         | ✓    |      |      |
| <b>FUJITSU</b>         | MPC 3032AT      | ✓    |      |      |

## I. Peripheral Compatibility- Storage Device

### Device List:

| Brand            | Device Model      | Pass | Fail | Note |
|------------------|-------------------|------|------|------|
| <b>CD-ROM</b>    |                   |      |      |      |
| Acer             | 650P-072          | ✓    |      |      |
| Philips          | CDD3600           | ✓    |      |      |
|                  |                   |      |      |      |
| <b>ZIP</b>       |                   |      |      |      |
| lomega           | ZIP100M           | ✓    |      |      |
|                  |                   |      |      |      |
| <b>LS-120</b>    |                   |      |      |      |
| Panasonic        | LKM-F934-1        | ✓    |      |      |
|                  |                   |      |      |      |
| <b>Fax/Modem</b> |                   |      |      |      |
| ROCK MODEM       | CYBER LANDER 2000 | ✓    |      |      |
| LEMEL            | ROCKWELL 33.6 dpf | ✓    |      |      |
|                  |                   |      |      |      |

## J. Peripheral Compatibility- Others

### Device List:

| Brand                | Device Model                | Pass | Fail | Note        |
|----------------------|-----------------------------|------|------|-------------|
| <b>RS-485 Port</b>   |                             |      |      |             |
| Adventech            | Adam 4011                   | ✓    |      |             |
|                      |                             |      |      |             |
| <b>USB Port</b>      |                             |      |      |             |
| WINTEK               | AM-767-U USB Mouse          | ✓    |      |             |
| DEXIN                | A2U800A USB Mouse           | ✓    |      |             |
| BTC                  | 7932 USB Keyboard           | ✓    |      |             |
| Vcam                 | CU-98 USB Camara            | ✓    |      |             |
| Tekom                | TekCam P35U USB Camara      | ✓    |      |             |
| HP                   | ScanJet 4200C USB Scanner   | ✓    |      |             |
| EPSON                | STYLUS COLOR740 USB Printer | ✓    |      |             |
| D-LINK               | DU-H4 HUB                   | ✓    |      |             |
|                      |                             |      |      |             |
| <b>Parallel Port</b> |                             |      |      |             |
| IOMEGA               | ZIP 100M                    | ✓    |      | ECP,ECP+EPP |
|                      |                             |      |      |             |
| <b>IR Port</b>       |                             |      |      |             |
| ACTISYS              | ACT-IR210L                  | ✓    |      |             |
|                      |                             |      |      |             |
|                      |                             |      |      |             |

**K. Peripheral Compatibility- Input Device****Input Device List:**

| Brand           | Device Model | Pass | Fail | Note |
|-----------------|--------------|------|------|------|
| <b>Keyboard</b> |              |      |      |      |
| Acer            | 6311-TW      | ✓    |      |      |
| Actis           | SMK-8851     | ✓    |      |      |
|                 |              |      |      |      |
| <b>Mouse</b>    |              |      |      |      |
| MICROSOFT       | SERIAL MOUSE | ✓    |      |      |
| LOGITECH        | MOUSEMAN     | ✓    |      |      |
|                 |              |      |      |      |

**L. On Board Network Hardware (physical) Compatibility****System Information(Client Site):**

|                                       |   |
|---------------------------------------|---|
| Board System                          | <input checked="" type="checkbox"/> SBC-558   |
| DRAM/SDRAM Capacity & BRAND(SIMM Qty) | Brand: NEC D4516821AG5-A10-9JF <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128MB<br><input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 |
| SYSTEM BIOS Ver.                      | <input checked="" type="checkbox"/> AWARD <input type="checkbox"/> AMI Ver: 1.0   |
| O.S. Environment                      | <input checked="" type="checkbox"/> DOS6.22 <input type="checkbox"/> WINNT <input type="checkbox"/> NOVELL  |
| VGA Card                              | <input checked="" type="checkbox"/> OnBoard C&T 69000   |
| POWER SUPPLY                          | <input type="checkbox"/> MPU-250W <input type="checkbox"/> SSH-250G <input type="checkbox"/> SSH-350G <input checked="" type="checkbox"/> BPS-1004  |
| IDE HDD TYPE                          | <input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input checked="" type="checkbox"/> Qua <input type="checkbox"/> Fuj <input type="checkbox"/> IBM : TM17A012   |
| LAN CARD                              | <input checked="" type="checkbox"/> OnBoard: GD82559  |
| CD-ROM TYPE                           | <input type="checkbox"/> NEC <input type="checkbox"/> PANASONIC <input type="checkbox"/> PIONEER <input type="checkbox"/> CREATIVE :  |
| Cable/Cable Length                    | CAT5 100M   |

**System Information(Server Site):**

|                                       |  |
|---------------------------------------|--|
| Board System                          | <input checked="" type="checkbox"/> NOVELL 4.11  |
| DRAM/SDRAM Capacity & BRAND(SIMM Qty) | Brand: NEC D4564163G5-A10-9JF <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input checked="" type="checkbox"/> 64MB <input type="checkbox"/> 128MB<br><input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" type="checkbox"/> SODIMM <input type="checkbox"/> Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 |
| SYSTEM BIOS Ver.                      | <input checked="" type="checkbox"/> AWARD <input type="checkbox"/> AMI Ver: 1.0  |
| VGA Card                              | <input checked="" type="checkbox"/> OnBoard C&T 69000  |
| O.S. Environment                      | <input type="checkbox"/> DOS6.22 <input type="checkbox"/> WINNT <input checked="" type="checkbox"/> NOVELL 4.11  |
| IDE HDD TYPE                          | <input type="checkbox"/> Max <input type="checkbox"/> Sea <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj <input checked="" type="checkbox"/> WD : AC26400  |
| LAN CARD                              | <input checked="" type="checkbox"/> OnBoard: GD82559   |
| CPU Type                              | <input checked="" type="checkbox"/> Intel <input type="checkbox"/> Cyrix <input type="checkbox"/> AMD : Tillamook MMX266 MHz   |
| CD-ROM TYPE                           | <input type="checkbox"/> NEC <input type="checkbox"/> PANASONIC <input type="checkbox"/> PIONEER <input checked="" type="checkbox"/> ACER : 650P-072   |
| Cable/Cable Length                    | CAT5 100M  |

**HUB Type: D-Link DU-H4****Test Result:**

| SUBJECT                  | Network Hardware Function Testing         |      |      |
|--------------------------|---|------|------|
| Test Item                | Pass                                      | Fail | Note |
| Transceiver              | ✓   |      |      |
| Receiver                 | ✓   |      |      |
| Auto-negotiation         | ✓   |      |      |
| 100M Base-TX half duplex | ✓   |      |      |
| 10M Base-T half duplex   | ✓   |      |      |
| SUBJECT                  | Network Operation System Function Testing |      |      |
| Test Item                | Pass                                      | Fail | Note |
| NetWare 4.11             | ✓   |      |      |
| Windows NT 4.0           | ✓   |      |      |
| SUBJECT                  | Network Performance Testing               |      |      |
| Test Item                | Result                                    | Note |      |
| NWTEST 24HR              | Pass                                      |      |      |

| <b>SUBJECT</b>                   | <b>Workstation Application Function Testing</b> |             |                               |
|----------------------------------|---|-------------|-------------------------------|
| <b>Test Item</b>                 | <b>Pass</b>                                     | <b>Fail</b> | <b>Note</b>                   |
| Dos 6.22 for IPXODI              | ✓   |             |                               |
| Dos 6.22 for package driver      | ✓   |             |                               |
| Windows 3.1 for IPXODI           | ✓   |             |                               |
| Windows 3.1 for package driver   | ✓   |             |                               |
| Windows 95 for IPX/SPX           | ✓   |             |                               |
| Windows 95 for NetBEUI           | ✓   |             |                               |
| Windows 95 for TCP/IP            | ✓   |             |                               |
| Windows 98 for IPX/SPX           | ✓   |             |                               |
| Windows 98 for NetBEUI           | ✓   |             |                               |
| Windows 98 for TCP/IP            | ✓   |             |                               |
| Windows NT 4.0 for IPX/SPX       | ✓   |             |                               |
| Windows NT 4.0 for NetBEUI       | ✓   |             |                               |
| Windows NT 4.0 for TCP/IP        | ✓   |             |                               |
| Transfer Data Between SRV And WK | N/A   |             | Mulity Task 12 Hours(NOTE 1.) |
|                                  |   |             |                               |
|                                  |   |             |                               |

Note : 1.Mulity Task is that transfers files(copy/verify/delet) and VCD in the same time.

## 6 . Software Compatibility

### A. O.S. Compatibility

| O.S. / Test Item     | Install |      | Boot |      | Shutdown |      | Function |      | KB Function |      |
|----------------------|---------|------|------|------|----------|------|----------|------|-------------|------|
|                      | Pass    | Fail | Pass | Fail | Pass     | Fail | Pass     | Fail | Pass        | Fail |
| MS-DOS 6.22          | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓           |      |
| MS-DOS 6.2/V (JAPAN) | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓           |      |
| NOVELL 4.11          | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓           |      |
| LINUX slakware4.0    | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓           |      |

### B. Microsoft Windows & IBM OS/ 2 Compatibility

| Wins / Test Item                      | Install |      | Boot |      | Shutdown |      | Function |      | Keyboard Function |      | Display Driver |      | Ethernet Driver |      |
|---------------------------------------|---------|------|------|------|----------|------|----------|------|-------------------|------|----------------|------|-----------------|------|
|                                       | Pass    | Fail | Pass | Fail | Pass     | Fail | Pass     | Fail | Pass              | Fail | Pass           | Fail | Pass            | Fail |
| Windows 3.11                          | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | N/A            |      | ✓               |      |
| Windows 95 (English)                  | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | ✓              |      | ✓               |      |
| Windows 95 (Simplified-Chinese)       | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | N/A            |      | N/A             |      |
| Windows 95 (Japan)                    | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | N/A            |      | N/A             |      |
| Windows 98(English)                   | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | ✓              |      | ✓               |      |
| Windows 98 (Simplified-Chinese)       | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | N/A            |      | N/A             |      |
| Windows 98(Japan)                     | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | N/A            |      | N/A             |      |
| Windows Nt4.0w/S (English)            | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | ✓              |      | ✓               |      |
| Windows Nt4.0w/S (Simplified-Chinese) | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | N/A            |      | N/A             |      |
| Windows Nt4.0w/S (Japan)              | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | N/A            |      | N/A             |      |
| OS/2 Warp 4.0                         | ✓       |      | ✓    |      | ✓        |      | ✓        |      | ✓                 |      | N/A            |      | N/A             |      |

**C.Microsoft Windows 98 Hardware Compatibility Test(HCT)****System Information:**

|                                       |   |
|---------------------------------------|---|
| DRAM/SDRAM Capacity & BRAND(SIMM Qty) | Brand: NEC D451228841G5-A10-9JF <input type="checkbox"/> 32 <input checked="" type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/> 256MB<br><input type="checkbox"/> DRAM <input type="checkbox"/> SDRAM <input checked="" type="checkbox"/> SODIMM <input type="checkbox"/> ____ Qty: <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 |
| System BIOS Version                   | <input checked="" type="checkbox"/> Award <input type="checkbox"/> AMI Ver: 1.0   |
| VGA Card & BIOS                       | <input checked="" type="checkbox"/> OnBoard C&T69000  |
| VGA Memory Capacity & Brand           | Brand: C&T69000 Built-in <input type="checkbox"/> 60ns <input type="checkbox"/> 70ns <input type="checkbox"/> ____ns<br><input type="checkbox"/> DRAM <input checked="" type="checkbox"/> VRAM <input type="checkbox"/> 256K <input type="checkbox"/> 512K <input type="checkbox"/> 1M <input checked="" type="checkbox"/> 2M <input type="checkbox"/> 4M   |
| CPU Type                              | <input checked="" type="checkbox"/> Intel <input type="checkbox"/> Cyrix <input type="checkbox"/> AMD:Tillamook-MMX 266MHz  |
| HDD Type                              | <input type="checkbox"/> Max <input checked="" type="checkbox"/> WD <input type="checkbox"/> Con <input type="checkbox"/> Qua <input type="checkbox"/> Fuj : Caviar 26400 6.4GB   |
| CD-ROM Type                           | <input type="checkbox"/> NEC <input type="checkbox"/> Panasonic <input type="checkbox"/> Pioneer <input type="checkbox"/> Creative <input checked="" type="checkbox"/> Acer : 650P-072  |
| VGA Card & BIOS                       | Onboard C&T69000  |
| Keyboard TYPE                         | Acer 6311-TW  |
| FDD TYPE                              | TEAC FD-235HF   |
| Mouse                                 | LOGITECH MouseMan   |
| LAN CARD                              | GD82559   |
| Driver or Utility                     | <input checked="" type="checkbox"/> VGA <input type="checkbox"/> HDD <input checked="" type="checkbox"/> Others : GD82559 LAN   |

**Test Result:**

| HCT 7.6 Features Test         | Pass | Fail | Remark |
|-------------------------------|------|------|--------|
| Virtual Dos Mach              | —    |      |        |
| DMPMS Test                    | —    |      |        |
| Video Playback                | —    |      |        |
| Extended BIOS Parameter Block | —    |      |        |
| MCI CD Test                   | —    |      |        |
| BCT API Test                  | ✓    |      |        |
| INT 13 Extension              | ✓    |      |        |
| Disk(Stress) Individual Drive | ✓    |      |        |
| Disk –CD (Stress)             | ✓    |      |        |
| Disk (Stress)                 | ✓    |      |        |
| Coprocessor(Stress)           | ✓    |      |        |
| Net Class Dynamic             | ✓    |      |        |
| PCI I/O Space                 | ✓    |      |        |
| PCI 2.1 (BIOS)                | ✓    |      |        |
| PCI 2.1 (Card)                |      | ✓    |        |
| Unreported I/O                | ✓    |      |        |
| Unreported Memory             | ✓    |      |        |
| PnP BIOS                      | ✓    |      |        |
| APM 1.2                       | —    |      |        |
| Media Class Dynamic Config    | —    |      |        |
| Wave Drift                    | —    |      |        |