

**FIC AN11 PCI/AGP SYSTEM BOARD  
BOARD NETWORK TEST REPORT**

**AN11**

**Document Number:**

**PCB Version:** V1.4

**BIOS Version:** VHA42

| <b>Supervisor</b> | <b>Tester</b> |
|-------------------|---------------|
|                   | <i>Hobin</i>  |

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*Update:12/31/2001*



## \* Specification Overview

### · Software Configuration

| OS / Tools        | Version      | Descriptions                 |
|-------------------|--------------|------------------------------|
| Windows 98 SE     | SE           | Windows98 2222A              |
| Windows ME        | Millennium   | Windows Millennium 4.90.3000 |
| Windows NT Server | 4.0          | Windows NT Server            |
| Windows 2000      | Professional | Windows 2000 5.00.2195       |
| Windows XP        | Professional | Windows XP                   |
| Novell 5.0        | 5.0          | Netware 5.0                  |

### · Hardware Configuration

| Feature                         | Description   |
|---------------------------------|---|
| <b>M/B</b>                      | AN11 (V1.4)   |
| <b>System BIOS</b>              | VHA42   |
| <b>Processor</b>                | • AMD Athlon & Duron  |
| <b>Chipset</b>                  | • VIA KT266A & VT 8233  |
| <b>Front side bus</b>           | 133,266 MHz   |
| <b>Graphic Controller</b>       | N/A   |
| <b>System Memory</b>            | • 3 DDRAM DIMM Sockets<br>• Maximum 512MB   |
| <b>Form Factor</b>              | • Macro ATX<br>• 9.6" x 8.2"  |
| <b>Audio</b>                    | VIA 8233  |
| <b>IDE</b>                      | 2 Dual-Channeled Enhanced IDE Connectors Support ATA 66/100<br>RAID Promise Support ATA 66/100  |
| <b>Expansion Slots</b>          | 1 x AGP 4X<br>5 x PCI<br>1 x ACR  |
| <b>External IO Ports</b>        | 1 Front Audio Pin-Header<br>2 Serial Port (Com1, Com2)<br>1 Parallel Port<br>1 PS/2 Mouse and Keyboard Connector<br>4 USB ports support with 2 USB connectors |
| <b>Power Management General</b> | ACPI, APM 1.2, SMBIOS 2.3, PnP 1.0a, USB 1.1, PC99, Y2K Compliant   |



## · Base Test Configuration

| System         | (# 1)             | (#2) |
|----------------|-------------------|------|
| M/B Version    | AN11 (V1.4)       |      |
| System BIOS    | VHA42             |      |
| Process        | Althon 900        |      |
| Memory         | DDR 64MB PC2100   |      |
| HDD            | WD AC28400        |      |
|                | Quantum CR84A101  |      |
| CD-ROM         | Samsung 40x CDROM |      |
| SCSI Card      | None              |      |
| VGA            | MATROX G450-DH    |      |
| Audio          | VIA VT8233        |      |
| LAN            | 3COM 3C905C       |      |
|                | INTEL 82559       |      |
| Driver Version | CD Pro 5.2        |      |
| - Chipset INF  | VIA 4in1 V4.32    |      |
| - LAN          |                   |      |
| 3COM 3C905C    | V5.3              |      |
| INTEL 82559    | V5.11             |      |
|                |                   |      |
| -Others        |                   |      |



# 1. Wake On LAN Function Test

## 1.1 Magic Frame & Ping Wake-Up (Win 98/Me/2000/XP)

| Mode | State | Wake-up?                 |
|------|-------|--------------------------|
| ACPI | S1    | Yes / Magic Frame & Ping |
|      | S3    | Yes / Magic Frame & Ping |
|      | S4    | Yes / Magic Frame & Ping |
|      | S5    | Yes / Magic Frame        |

| Sleep Method | Sleep Mode   | Wakeup Method | Result    |      |        |      |        |      |        |      |      |
|--------------|--------------|---------------|-----------|------|--------|------|--------|------|--------|------|------|
|              |              |               | Win 98 SE |      | Win ME |      | Win 2K |      | Win XP |      |      |
|              |              |               | 82559     | 905C | 82559  | 905C | 82559  | 905C | 82559  | 905C |      |
| Start Menu   | S1 (POS)     | Magic Packet  | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              | S3 (STR)     | Magic Packet  | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              | S4 (STD)     | Magic Packet  | N/A       |      | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | N/A       |      | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
| S5           | Magic Packet | PASS          | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS |      |
| Power Button | S1 (POS)     | Magic Packet  | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              | S3 (STR)     | Magic Packet  | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              | S4 (STD)     | Magic Packet  | N/A       |      | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | N/A       |      | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
| S5           | Magic Packet | PASS          | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS |      |
| Timer        | S1 (POS)     | Magic Packet  | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              | S3 (STR)     | Magic Packet  | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | PASS      | PASS | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              | S4 (STD)     | Magic Packet  | N/A       |      | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |
|              |              | ARP           | N/A       |      | PASS   | PASS | PASS   | PASS | PASS   | PASS | PASS |



### 3. Remote Boot ROM Test

#### 3.1 Protocol (PXE/RPL)

##### 3.1.1 3Com 3C905C

###### Boot From LAN Matrix

| Server OS | Test Item technology | MBA | Client   | Result (PASS/FAIL) |
|-----------|----------------------|-----|----------|--------------------|
| NT4 SP6   | RPL network boot     | RPL | DOS 6.22 | PASS               |
| NT4 SP6   | PXE                  | PXE | DOS 6.22 | PASS               |

##### 3.1.2 Intel 82559

###### Boot From LAN Matrix

| Server OS | Test Item technology | MBA | Client   | Result (PASS/FAIL) |
|-----------|----------------------|-----|----------|--------------------|
| NT4 SP6   | RPL network boot     | RPL | DOS 6.22 | PASS               |
| NT4 SP6   | PXE                  | PXE | DOS 6.22 | PASS               |

### 4. Auto Reboot Test

| OS     | Test Item   | Utility     | Result (PASS/FAIL) |
|--------|-------------|-------------|--------------------|
| Win 2K | Auto Reboot | Auto Reboot | PASS               |
| Win ME | Auto Reboot | Auto Reboot | PASS               |

### 5. PCI LAN Card Compatibility Test

| OS       | Test Item      | Utility | Vender  | LAN Card | Result (PASS/FAIL) |
|----------|----------------|---------|---------|----------|--------------------|
| Win98 SE | *Download File | IE 5.0  | 3COM    | 3C905C   | PASS               |
|          |                |         | Intel   | 82559    | PASS               |
|          |                |         | RealTek | 8139C    | PASS               |
|          |                |         | Accton  | EN1207F  | PASS               |
|          |                |         | USB     | NetMate  | PASS               |
|          |                |         | D-Link  | 540-TX   | PASS               |
| Win ME   | *Download File | IE 5.0  | 3COM    | 3C905C   | PASS               |
|          |                |         | INTEL   | 82559    | PASS               |



|            |                |        |         |         |             |
|------------|----------------|--------|---------|---------|-------------|
|            |                |        | RealTek | 8139C   | <b>PASS</b> |
|            |                |        | Accton  | EN1207F | <b>PASS</b> |
|            |                |        | USB     | NetMate | <b>PASS</b> |
|            |                |        | D-Link  | 540-TX  | <b>PASS</b> |
| Win 2K     | *Download File | IE 5.0 | 3COM    | 3C905C  | <b>PASS</b> |
|            |                |        | Intel   | 82559   | <b>PASS</b> |
|            |                |        | RealTek | 8139C   | <b>PASS</b> |
|            |                |        | Accton  | EN1207F | <b>PASS</b> |
|            |                |        | USB     | NetMate | <b>PASS</b> |
|            |                |        | D-Link  | 540-TX  | <b>PASS</b> |
| Win XP Pro | *Download File | IE 5.0 | 3COM    | 905C    | <b>PASS</b> |
|            |                |        | Intel   | 82559   | <b>PASS</b> |
|            |                |        | RealTek | 8139C   | <b>PASS</b> |
|            |                |        | Accton  | EN1207F | <b>PASS</b> |
|            |                |        | USB     | NetMate | <b>PASS</b> |
|            |                |        | D-Link  | 540-TX  | <b>PASS</b> |

## 6. Microsoft Windows NT 4.0 Bench Test

| OS      | Test Item | Utility         | Controller | Client | LAN CARD    | Result      |
|---------|-----------|-----------------|------------|--------|-------------|-------------|
| NT4 SP6 | Net Bench | ZD NetBench 7.0 | NTWK4      | NTWK4  | Intel 82559 | <b>PASS</b> |