

FIC AN11 PCI/AGP SYSTEM BOARD BOARD NETWORK TEST REPORT

AN11

Document Number:

PCB Version: V1.4

BIOS Version: VHA42

Supervisor	Tester
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* 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
M/B	AN11 (V1.4)
System BIOS	VHA42
Processor	• AMD Athlon & Duron
Chipset	• VIA KT266A & VT 8233
Front side bus	133,266 MHz
Graphic Controller	N/A
System Memory	• 3 DDRAM DIMM Sockets • Maximum 512MB
Form Factor	• Macro ATX • 9.6" x 8.2"
Audio	VIA 8233
IDE	2 Dual-Channeled Enhanced IDE Connectors Support ATA 66/100 RAID Promise Support ATA 66/100
Expansion Slots	1 x AGP 4X 5 x PCI 1 x ACR
External IO Ports	1 Front Audio Pin-Header 2 Serial Port (Com1, Com2) 1 Parallel Port 1 PS/2 Mouse and Keyboard Connector 4 USB ports support with 2 USB connectors
Power Management General	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
		ARP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
	S3 (STR)	Magic Packet	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
		ARP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
	S4 (STD)	Magic Packet	N/A		PASS	PASS	PASS	PASS	PASS	PASS
		ARP			PASS	PASS	PASS	PASS	PASS	PASS
	S5	Magic Packet	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Power Button	S1 (POS)	Magic Packet	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
		ARP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
	S3 (STR)	Magic Packet	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
		ARP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
	S4 (STD)	Magic Packet	N/A		PASS	PASS	PASS	PASS	PASS	PASS
		ARP			PASS	PASS	PASS	PASS	PASS	PASS
	S5	Magic Packet	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
Timer	S1 (POS)	Magic Packet	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
		ARP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
	S3 (STR)	Magic Packet	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
		ARP	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
	S4 (STD)	Magic Packet	N/A		PASS	PASS	PASS	PASS	PASS	PASS
		ARP			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	PASS
			Accton	EN1207F	PASS
			USB	NetMate	PASS
			D-Link	540-TX	PASS
Win 2K	*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 XP Pro	*Download File	IE 5.0	3COM	905C	PASS
			Intel	82559	PASS
			RealTek	8139C	PASS
			Accton	EN1207F	PASS
			USB	NetMate	PASS
			D-Link	540-TX	PASS

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	PASS