

Product Certification Report

Release No : 05E010010

Product Model	ETX-625-A0.3
Product Description	
Test Reason	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : ETX-625 Rev:A0.3 <input checked="" type="checkbox"/> BIOS : ETX-622B BIOS Rev: B1.0 (01/14/2005) <input type="checkbox"/> Renew product <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS : <input type="checkbox"/> Revision change <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS : <input type="checkbox"/> Component :

2005-3-28

Issue date

Wenyuan Yang

Manager

Ryan Cheng

Test Engineer

Test Result for Certification

Installation Operation System Compatible Test	Result
Linux –RedHat 9.0 / Kernel 2.4.20-8	Pass
Windows XP Professional English Version / 2002	Pass
Windows 2000 Professional English Version /2.00.2195	Pass
Windows 98SE English Version /4.10.2222A	Pass
Utility and Driver Test	Result
RedHat Linux 9.0 Hardware compatible list for VGA	Default
RedHat Linux 9.0 Hardware compatible list for LAN	Default
RedHat Linux 9.0 Hardware compatible list for Audio	Default
VGA for Windows XP (S3 Graphics Twister / Driver Ver.6.13.10.1039 (01/24/2002))	Pass
VGA for Windows 2000P (S3 Graphics Twister / Driver Ver.6.13.10.1030(12/20/2001))	Pass
VGA for Windows 98SE (S3 Graphics Twister / Driver Ver.4.13.01.3025-13.00.25 (01/25/2002))	Pass
Sound for Windows XP (VIA AC'97 Audio Controller(WDM) / Driver Ver.5.1.2535.0 (07/01/2001))	Pass
Sound for Windows 2000P (VIA AC'97 Audio Controller(WDM) / Driver Ver.5.12.1.3200(4/13/2001))	Pass
Sound for Windows 98SE (VIA AC'97 Audio Controller(WDM) / Driver Ver.5.12.01.3200(4/13/2001))	Pass
LAN for Windows XP (Realtek RTL8100BL / Driver Ver.5.505.1004.2002(10/4/2004))	Pass
LAN for Windows 2000P (Realtek RTL8100BL / Driver Ver.5.505.1004.2002(10/4/2002))	Pass
LAN for Windows 98SE (Realtek RTL8100BL / Driver Ver.5.505.1004.2002(12/30/2002))	Pass
BIOS Function Test	Result
Standard CMOS Setup Test	Pass
Boot Sequence Test	Pass
APM Power Manager Test	Pass
ACPI Power Manager Test	Pass
Power On Function Test	Pass
Wake Up Event Test	Pass
CMOS Backup / Clear CMOS Test	Pass
Boot ROM Test (RPL/PXE)	Pass
Supervisor / User Password Test	Pass
Boot Display - CRT Function Test	Pass
Init Display First Function Test	Pass
Voltage Monitor Test	Pass
FAN Speed Monitor Test	Pass
Temperature Monitor Test	Pass
Swap Floppy Drive & Boot up Floppy Seek Function Test	Pass
USB Onboard Device Function Test	Pass
COM Address / IRQ Test	Pass

LPT Address / IRQ Test		Pass
BIOS Awdflash Program Test		Pass
Dynamic / Boot_UP Burn_In Test	Test Condition	Result
220V Power Function Test.	Room Temperature	Pass
Voltage Range Test – 210V Power Function Test	Room Temperature	Pass
Voltage Range Test – 100V Power Function Test	Room Temperature	Pass
Keyboard Reset Test.	20 Times , DOS Mode	Pass
Windows HCT 7.2 / 9.5 System Stress Test.		Pass
I/O Peripheral Function Test – I/O Function		Result
Floppy Connector / Driver A: & B:		Pass
Primary IDE Master		Pass
Primary IDE Slave		Pass
Secondary IDE Master		Pass
Secondary IDE Slave		Pass
DOM (Disk On Module) - 40Pin		Pass
COM1		Pass
COM2		Pass
COM3		Pass
COM4		Pass
Clear CMOS		Pass
PS/2 Mouse & Keyboard (External)		Pass
LCD Voltage 5V/3.3V Selection		Pass
LPT1 – Printer Type : EPSON STYLUS C61		Pass
USB 1 & 2 Ports		Pass
USB 3 & 4 Ports		Pass
VGA Display		Pass
Compact Flash Card		Pass
DIMM Slots		Pass
Watchdog Software Control		Pass
I/O Peripheral Function Test – Front Panel & Function		Result
On Board Buzzer		Pass
CPU FAN Connector		Pass
I/O Peripheral Function Test – Power Connector & Function		Result
ATX Power Connector		Pass
AT Power Connector		Pass
I/O Peripheral Function Test – LAN Connector & Function		Result
LAN1 Speed LED		Pass
LAN1 Active / Link LED		Pass
LAN1 10/100 Ethernet		Pass
I/O Peripheral Function Test – PCI Connector & Function		Result
PCI Slots		Pass
ISA Slots		Pass

Power Consumption Test (Intel Celeron(R) 400MHz (100x4.0))			Result	
Normal Mode (+5V)			3.15 A	
Suspend mode (+5V)			2.60 A	
Normal Mode (+12V)			0.34 A	
Suspend mode (+12V)			0.34 A	
Power Connector Test (110V/220V)		Voltage Range	Result	
ATX Power (+5V)		4.75V~5.25V	Pass	
ATX Power (+12V)		11.4V~12.6V	Pass	
AT Power to ATX Connector (Play DVD)			Pass	
Timer Accuracy Test			Result	
RTC Timer Accuracy of +/-1 sec per day.			Pass	
System Clock Accuracy of +/-1 sec per day.			Pass	
Watchdog Timer Accuracy of +/-20% sec per minute.			Pass	
Network HUB/LAN Connects Test (LAN1/LAN2)			Result	
HUB	Type	Speed		
	HP J4095A 24 Ports	10/100 Mbps	Pass	
	D-Link DGS-1008T	10/100 Mbps	Pass	
	Intel Inbusiness 8 Ports	10/100 Mbps	Pass	
	LEMEL LM-S5 5 Ports	10/100 Mbps	Pass	
	Accton Desktop-3005	10/100 Mbps	Pass	
	SVEC FD916H	10 Mbps	Pass	
LED Indicator Lights Function		LAN1 LED	Pass	
Touch Screen LCD for Serial Ports Test		Address	IRQ	Result
COM1		3F8	IRQ4	Pass
COM4		2E8	IRQ11	Pass
CPU Compatible Test (Windows 2000P)				
CPU Speed		FSB	Result	
Intel Celeron(R) 400MHz		100	Pass	
Memory Test		Speed	Size	Result
KINGMAX / KSV684T4A2A-07L /		PC133	256MB	Pass
SAMSUNG / K4S560832C-TC75		PC133	256MB	Pass
NEC / D45128163G5-A80-9JF		PC100	128MB	Pass
NANYA / NT56V6620C0T-75		PC133	64MB	Pass
PCI Slot Function (PCI Adapter Card) Test		Type	Interface	Result
AAEON MBC-V100		VGA Card	PCI	Note ¹
GeForce4 MX-440-8X		VGA Card	PCI	Note ¹
Creative Sound BLASTER Live5.1		Sound Card	PCI	Pass
Adaptec ASC-29160		SCSI Card	PCI	Pass
Takram DC-395U V1.02		SCSI Card	PCI	Pass
APTEC ASC-29160		SCSI Card	PCI	Pass
AHA 1520B		SCSI Card	ISA	Pass
D-Link FE-530TX Fast Ethernet		LAN Card	PCI	Pass
Intel SB82559 10/100 Mbps		LAN Card	PCI	Pass
D-Link DGE-530T 1000BASE-T Gigabit Ethernet		LAN Card	PCI	Pass

Genuine GM56-AM12019	Modem Card	PCI	Pass
D-Link DU-520 USB 2.0	USB Card	PCI	Pass
Tekram TR-822 Serial ATA 150	SATA Card	PCI	Pass
HDD Compatible Test	Size	Speed	Result
IBM / DTLA-307045	46.1GB	ATA-33	Pass
Fujitsu / MPE 3136AH	13.6GB	ATA-66	Pass
Maxtor / 94098U8	40GB	ATA-66	Pass
Maxtor / D740X-6L	40GB	ATA-100	Pass
Maxtor / 4G160J8	160GB	ATA-133	Pass
Quantum / Fireball Plug AS	30GB	ATA-100	Pass
Seagate / ST301021A	10.2GB	ATA-66	Pass
Western / WD200EB-OOCPFO	40GB	ATA-100	Pass
CD-ROM / DVD-ROM Test	Type	Speed	Result
ACER DVP1640A	DVD-ROM	16X	Note ²
CREATIVE PC-DVD	DVD-ROM	12X	Note ²
IBM GCR-8480B	CD-ROM	48X	Pass
PIONEER /DVD-121	DVD-ROM	16X	Note ²
PHILIPS PBC03210G	CD-RW/ DVD ROM	32X10X40/ 12X	Note ²
NEC / ND-2500A	DVD R/RW	+R8X-R8X	Note ²
SAMSUNG / SH-W08	DVD+ / -R 8X	8X8X32X	Note ²
SONY CDU4811-81	CD-ROM	48X	Pass
TEAC CD-540E	CD-ROM	40X	Pass
Installation Windows 2000 O.S from USB CDROM Device	USB CD-ROM	48X24X48 X	Pass
USB Basic Function Test			Result
CMOS USB Function			Pass
CMOS USB Keyboard			Pass
System Booting Test			Pass
USB Cable of 1.8 Meters (USB1.1)			Pass
Compatible Test			Pass
USB 1.1 Function Test	USB 1 & 2 Ports		Pass
	USB 3 & 4 Ports		Pass
USB Extention Device Function Test		Type	Result
CyberLink Power DVD XP4.0		Remote Control	Pass
BENQ 4824WI-ON2		CD-RW	Pass
PLEXTIR PX-S88TU		CD-RW	Pass
Fujitus USB 2.0 High Speed device (2.5"MHN2100AT)		HDD	Pass
IOMEGA ZIP 100MB		ZIP	Pass
Mitsumi FL3.5D353GUE/FUE		Floppy	Pass

Floppy Disk Controller Function Test		Result
Copy and Compare File Between C: and A/B		Pass
Chang BIOS Floppy is NONE value		Pass
SWAP FDD		Pass
Peripheral Compatibility-Storage Device	Interface	Result
iomega zip 100 parallel port	Parallel	Pass
iomega zip 100MB Internal ATAPI Drive	IDE	Pass
PQI Compact Flash Card	Type	Pass
COM Port Send & Receive Test		Result
COM1 of 50 Meters		Pass
COM4 of 50 Meters		Pass
Disk On Module [DOM] Compatibility Test	Interface	Result
DiskOnModule DOM256MB	IDE 40 Pin	Pass
Wireless LAN Compatibility Test	Interface	Result
Intel GD82559 Wireless LAN	PCI	Pass
System Integer Application Test		Result
System Integer Application Test (Burn-in 8 Hrs.)		Pass
System Integer Power Consumption Test		Result
Normal Mode (+5V)		6.02 A
Normal Mode (+12V)		2.17A
Windows 2000 + SP4 O.S.		Result
Performance Test – CPU (Intel Celeron(R) 400MHz (100x4.0))		
WinBench 99 V2.0-- Business Graphics WinMark 99		109
WinBench 99 V2.0 -- High-End Graphics WinMark 99		265
WinBench 99 V2.0 – Business Disk WinMark99		6580
WinBench 99 V2.0 – High End Disk WinMark99		30100
Content Creation Winstone 2004 -- DirectX 9.0b / 1024x768x32Bits		5
Final Reality V1.01 BenchMark Test -- 2D image (DirectX 9.0b / 1024x768x32Bits)		5.64
Final Reality V1.01 BenchMark Test -- 3D (DirectX 9.0b / 1024x768x32Bits)		3.64
Final Reality V1.01 BenchMark Test -- Bus transfer (DirectX 9.0 / 1280x1024x32Bits)		4.64
Final Reality V1.01 BenchMark Test -- Overall (DirectX 9.0b / 1024x768x32Bits)		4.26
Business WinStone 2004 V1.0.1 --DirectX 9.0b / 1024x768x32Bits		5.3

Result Summary	
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Note ¹	Can't execute Dual-Display function.
Note ²	Not support for Playback DVD format.