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### I. Mainboard Specifications:

#### 1. Chipset Details:

<b>Core Logics:</b>	Intel RG82855GME(North) Intel FW82801DB (South)
<b>Display:</b>	Intel 855GME
<b>Audio</b>	Realtek ALC650 Software AC `97 Audio CODEC
<b>1394</b>	Agere FW323-06
<b>LAN</b>	Intel 82562ET10/100Mbps LAN

#### 2. Bios Revision:

<b>Flash</b>	SST 49LF004B(4MB)
<b>Version</b>	S620S004

#### 3. CPU Support:

<b>Socket 478</b>	Intel Pentium M 479 Flip Chip Pin Grid Array (FCPGA) Intel Celeron M 479 Flip Chip Pin Grid Array (FCPGA)
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#### 4. Memory Support:

<b>Memory</b>	2 X 184-pin Dual-Channel DDR 333/266 up to 2GB
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#### 5. Display Resolution Supported:

Video On Board	Resolutions	Colors	Max Refresh Rates
	640 x 480	256/65K/16.7M	85/85/85Hz
	800 x 600	256/65K/16.7M	85/85/85Hz
	1024 x 768	256/65K/16.7M	85/85/85Hz
	1280 x 1024	256/65K/16.7M	85/85/85Hz
	1600 x 1200	256	85Hz

#### 6. Connectors and Jumpers:

<b>I/O Interface</b>	1 x VGA 1 x PS/2 keyboard connector 1 x PS/2 mouse connector 1 (front) + 2 (back) USB Ports 1 x MIC Ports 1 x COM Ports 1 x Parallel Port	1 x Line-Out 1 x RJ45 LAN 10/100bps 1 x IEEE1394 2 x 66/100 IDE controller connectors 1 x PC-104 Plus Slot
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#### 7. Mechanical Specification:

<b>Dimension</b>	155mm x 255mm x 5.5mm
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#### 8. Other Features:

<b>Power Mgm</b>	Support ACPI and Suspend to RAM function
<b>Hardware Monitor</b>	System, processor temperature and voltage
<b>Thermal Fan</b>	

#### 9. Power Adapter:

<b>AC/DC Adaptor</b>	Input 100~240V AC Universal Output 12V, 5.0A
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### II. Basic Function Test:

#### 1. Test System Configuration:

- (1) BIOS : S625E003
- (2) Tested By : Kojak Lin
- (3) Configuration : Kojak Lin
  - CPU : Intel Celeron M 1.5 GHz
  - DRAM : 2 x Unigen 256MB DDR
  - Hard Disk : IBM Travelstar 20GB IC25N020ATDA04-0
  - CD-ROM : Quanta Storage SCR-242
  - Mouse : FLM318
  - Keyboard : AZ-6800
  - Monitor : IMAI 15LX70
  - Power Adapter : FSP Group Inc. FSP060-1AD103

#### 2. M/B jumpers and switch Functions

		<i>Function Test</i>	<i>Result</i>
1	Power ON/OFF	10 times	<b>PASS</b>
2	Hardware Reset	10 times	<b>PASS</b>
3	Ctrl+Alt+Del Software Reset	10 times	<b>PASS</b>
4	Clear CMOS Jump	ON/OFF	<b>PASS</b>
5	Clear CMOS	ON/OFF	<b>PASS</b>
6	CPU Fan	Speed1/Speed2	<b>PASS</b>
7	System FAN	N/A	
8	Power LED	LED	<b>PASS</b>



### 3. On Board I/O Function

		<i>Function Test</i>	<i>Result</i>
1	IDE Disable		<b>PASS</b>
2	IDE Port	Hard Disk Type Format Boot	<b>PASS</b>
3	Com1 Port	Mouse Modem	<b>PASS</b>
4	LPT Port	Loopback	<b>PASS</b>
5	Keyboard	Keyboard	<b>PASS</b>
6	USB1	Keyboard Mouse Handy drive	<b>PASS</b>
7	USB2	Keyboard Mouse Handy drive	<b>PASS</b>
8	USB3	Keyboard Mouse Handy drive	<b>PASS</b>
9	1394	1394 drive	<b>PASS</b>
10	LPT1 set to ECP / EPP	Windows XP	<b>PASS</b>

### 4. BIOS Basic Function Test

		<i>Function Test</i>	<i>Result</i>
1	CMOS	Exit with Save	<b>PASS</b>
2	CMOS	Exit without Save	<b>PASS</b>
3	Password Setting		<b>PASS</b>
4	Boot from HD		<b>PASS</b>
5	Boot from CD-ROM		<b>PASS</b>
6	Boot from USB-CDROM		<b>PASS</b>
7	Boot from USB-HD		<b>PASS</b>
8	Boot from USB-FDD		<b>PASS</b>
9	Boot from ZIP ATAPI		<b>PASS</b>
10	Plug & Play OS Installed		<b>PASS</b>
	Boot from Windows XP		<b>PASS</b>
	AWDFLASH Utility	Flash ROM from	<b>PASS</b>



### 5. BIOS Setting

		<i>Function Test</i>	<i>Result</i>
1	Auto Configuration	BIOS Setting Auto ( Auto Configuration Hang )	<b>PASS</b>
2	Hard Disk Setting	BIOS Setting Auto (Hard Disk Type )	<b>PASS</b>
3	CPU Type	BIOS Setting ( CPU Type )	<b>PASS</b>
4	Date / Time	BIOS Setting ( Date / Time )	<b>PASS</b>

### 6. BIOS Power Management Test

		<i>Function Test</i>	<i>Result</i>
1	Stand-By mode	(check if VGA and hard disk is turned off)	<b>PASS</b>
2	Suspend mode	(check if VGA and hard disk is turned off)	<b>PASS</b>
3	Soft-Off by PWR-BTTN		<b>PASS</b>
4	Resume by Ring		<b>PASS</b>
5	Resume by Alarm		<b>PASS</b>

	<i>Power Management</i>	<i>Stand-By mode</i>	<i>Suspend mode</i>
1	Windows 98 S.E. ACPI Mode	<b>PASS</b>	<b>PASS</b>
2	Chinese Windows 98 ACPI S.E.	<b>PASS</b>	<b>PASS</b>
3	English Windows 2000 Professional	<b>PASS</b>	<b>PASS</b>
4	English Windows 2000 Server	<b>PASS</b>	<b>PASS</b>
5	English Windows XP	<b>PASS</b>	<b>PASS</b>
6	Linux Redhat 7.3	<b>PASS</b>	<b>PASS</b>



### III. Compatibility Test:

#### 1. Test System Configuration:

- (1) **BIOS** : S625E003  
(2) **Tested By** : Kojak Lin  
(3) **Configuration** : Kojak Lin  
CPU : Intel Celeron M 1.5 GHz  
DRAM : 2 x Unigen 256MB DDR  
Hard Disk : IBM Travelstar 20GB IC25N020ATDA04-0  
CD-ROM : Quanta Storage SCR-242  
Mouse : FLM318  
Keyboard : AZ-6800  
Monitor : IMAI 15LX70  
Power Adapter : FSP Group Inc. FSP060-1AD103

#### 2. CD-ROM Test

	<i>Make / Model</i>	<i>Speed</i>	<i>Test</i>	<i>Result</i>
1	QUANTA SCR-242	24X	Win XP, Win 98, Win 2K, Mechanical	<b>PASS</b>
2	Lite-on LSD-081	24X	Win XP, Win 98, Win 2K, Mechanical	<b>PASS</b>
3	Lite-ON LSC-24082KX	24X	Win XP, Win 98, Win 2K, Mechanical	<b>PASS</b>

#### 3. CPU Test

	<i>Make / Model</i>	<i>Speed</i>	<i>Test</i>	<i>Result</i>
1	Intel Celeron M	1.5GHz	Win XP, Win 98, Win 2K,	<b>PASS</b>

#### 4. Power Consumption Test with 3DBenchMark 2001

<i>Make / Model</i>	<i>Speed</i>	<i>Test</i>	<i>Result</i>
Intel Celeron M	1.5GHz	Win XP	<b>36 Watts</b>



### 5. Reliability Test

<i>Temperature</i>	<i>Humidity</i>	<i>Test</i>	<i>Result</i>
5 degree	5 degree	Win XP	<b>PASS</b>
10 degree	10 degree	Win XP	<b>PASS</b>
40 degree	40 degree	Win XP	<b>PASS</b>
50 degree	50 degree	Win XP	<b>PASS</b>
60 degree	60 degree	Win XP	<b>PASS</b>