

# **APPENDIX A**

## ***PRODUCT SPECIFICATION***

## Processor and Core Logic

- *Processor* Intel P4 processor (Northwood Process) @ 1.4~2.2GHz uFCPGA or uPGA package
- *L1 Cache* 32KB (16KB for Code Instruction, 16KB for Data) on-die
- *L2 Cache* 512KB on-die
- *Core logic* SiS650 + SiS961 chipset with graphic, audio, modem, and Ethernet controller integrated
- *Bus Architecture* 400 MHz Front Side (Memory) Bus Integrated AGP, AGP v2.0 Compliant

## System Memory

- *Memory Type* DDR 266/200 SDRAM, PC2100 compatible
- *Default* 0 / 64MB / 128MB / 256MB / 512MB, 3.3-Volt, 64-bit
- *Memory Expansion* Two 200-pin DDR SO-DIMM sockets, up to 512MBx2

## LCD

- *Display Panel* 14.1-inch XGA active-matrix TFT display with up to 16M colors

## Graphic Engine

- *Graphic Corelogic* SiS650 with integrated AGP bus 2D / 3D graphics accelerator UltraAGP II graphics capability (similar to 4X AGP) 3D Graphics Supported
- *Playback* Built-in DVD acceleration logic, MPEG2 decoding
- *Multimonitor Display* Simultaneous LCD / External Monitor Display Multi-monitor LCD and External Monitor Display Supported
- *Memory Sharing* Share-memory architecture with up to 50% of the total system memory and/or up to 64MB

## Storage Capacity

- *Hard Disk* 2.5-inch format (9.5mm height) hard disk drive  
Ultra DMA 33/66/100

## Audio

- *Audio Chipset* SiS961 with integrated audio controller
- *Sound Capability* 64-voice Polyphony Wavetable Synthesizer  
DirectSound 3D accelerator  
Full duplex, independent sample rate converter  
SoundBlaster Pro/16 compatible  
AC'97 V2.1 compatible  
Full duplex and independent sample rate converter for audio recording and playback

## Modem

- *Chipset* SiS 961 with Modem Controller integrated
- *Transmission Speed* V.90 / K56flex for download data speed up to 56000bps.  
V.34, V.17, V.29 protocol supported

## LAN

- *Network Adapter* SiS 961 with integrated PCI Fast Ethernet function for 100Base-TX network standards.
- *PnP Function* Windows 98 / ME / 2000 / XP Plug and Play compatible
- *Flow Control* Automatic Jam and auto-negotiation for flow control
- *Speed Selection* Auto Negotiation and Parallel detection for automatic speed selection (IEEE 802.3u)
- *Other Features* High performance 32-bit PCI bus master architecture with integrated DMA controller for low CPU and bus utilization  
Remote Wake-up Scheme supported Hot Insertion supported

## Other Hardware Devices

- *CD-ROM* 5.25-inch format (12.7mm height) fixed module with 24X speed
- *CD-RW* 5.25-inch format (12.7mm height) fixed module (Optional)
- *DVD ROM* 5.25-inch format (12.7mm height) fixed module (Optional)
- *Keyboard* 87 / 88-key touch-type QWERTY keyboard with embedded numeric keypad
- *Pointing Device* Touch Pad with Page Up / Down buttons

## PC Card

- *PCMCIA Controller* O2Micro OZ 6912 controller  
Single slot for TYPE I/II
- *Features* Hot insertion and removal supported

## Ports

- *VGA Port* One 15-pin CRT connector
- *Audio Port* One stereo line-out jack & One microphone-in jack
- *1394 Port* One IEEE1394 / Firewire mini-type connector
- *USB Port* Three USB connectors
- *Modem Port* One standard phone jack (RJ-11)
- *LAN Port* One standard network connector (RJ-45)
- *Power Port* One DC-in connector
- *PS/2 Port* One 6-pin serial port
- *mini PCI Slot* One internal mini PCI type III A or B slot

## Power

- *Main Battery* Li-Ion 8-cell @3.7V / 2000mAh, 59.2W
- *2nd Battery (Optional)* Li-Ion 6-cell @3.7V / 1550mAh, 34.4W (In Swappable-Device Bay)
- *AC Adapter* Input: 100~240V, 50~60Hz, 1.7A Max @ 115V  
Output: 20V, 3.5A, 70W
- *Recharge (100%)* System OFF: 3 HR (standard) / 5 HR (with 2nd Battery Pack)  
System ON: 6 HR (standard) / 8 HR (with 2nd Battery Pack)
- *Other Features* Low Battery Warning  
Suspend / Resume capability

## BIOS

- *PnP Function* AMI PnP BIOS
- *Self Test* Power On Self Test
- *Auto Detection* DRAM auto-detection, auto-sizing  
L2 Cache auto-detection  
Hard disk type auto-detection
- *Power Management* APM 1.2 (Advanced Power Management) &  
ACPI 2.0 (Advanced Configuration Power Interface)
- *Other Features* 32bit access, Ultra DMA, PIO5 Mode support  
Multi-boot capability

## Operating System

- *O/S* Microsoft Windows 95 / 98 / ME / 2000 / XP  
Microsoft NT 4.0

## Physical Specification

- *Weight* 305 (L) x 270 (W) x 25.4 (H) mm  
5.5 lbs / 2.5KG
- *Environmental Limitations* Operating Temperature: 5 to 35° C (41 to 95° F)  
Operating Humidity: 20 to 90 percent RH (5 to 35° C)  
Storage Temperature: -20 to 50° C (-4 to 122° F)

## Optional Devices

USB FDD  
DIMM module  
mini PCI card: 2.4GHz Wireless LAN (IEEE802.11b)  
Second Battery Pack for Swappable Device Bay

**Note: Product Specifications are subject to change without notice.**