

Chapter 1

Introduction

1-1 Product Specifications

❑ Processor

- Supports AMD Socket A Duron and Athlon processors
- Supports 100/133MHz (200/266MHz Internal System Bus)

❑ Chipset

- SiS745

❑ DRAM Memory

- Three 184-pin DDR DIMM sockets support up to 1.5GB
- Supports PC1600/PC2100/PC2700 DDR SDRAM
- Supports Up to 2 unbuffered DIMM DDR333 or up to 3 unbuffered Double-Sided DIMM DDR266/200

❑ Expansion Slots

- One Universal-AGP slot for both 2X/4XAGP at 3.3v or 1.5v (v2.0 compliant)
- Six 32-bit PCI slots (Rev 2.2 compliant)

❑ Boot-Block Flash ROM

- Award BIOS, supports PnP, APM, DMI, ACPI & Multi-device booting features i.e. floppy, LS120, CD-ROM, HDD(IDE, SCSI), ZIP-ATAPI etc.

❑ Embedded Ultra DMA-100 PCI IDE controller

- Supports two IDE ports up to 4 ATAPI devices
- Supports up to PIO Mode 4 up to 16.6MBps, Multi Mode 4 up to 66MBps and Multi Word Mode 5 up to 100MBps with bus mastering
- Bus Mastering software drivers for common multi-task operating systems

❑ IDE RAID Accelerator (optional)

- Promise PDC20265R IDE RAID controller
- Supports extra two UltraDMA-100 IDE ports with RAID 0/1

 **Due to PCI slot limitation, slot 4 must not be use when using the IDE RAID.**

❑ Onboard W83L518D Smart @ I/O Function (optional)

- Integrates smart card reader function and interface, to be qualified for meeting PC/SC standard
- Supports flash memory card (Memory Stick and SD Memory interface)

❑ Onboard Ultra I/O

- ITE 8705F chip with keyboard controller
- Three UARTs support two serial ports and IR function for HPSIR and ASKIR
- One parallel supports SPP/ECP/EPP
- One floppy disk drive connector supports up to 2.88MB

❑ Embedded USB Controller

- UHCI compliant USB host controller with Root Hub
- Support up to four USB ports (UHCI v1.0 compliant)
- Optional USB adapter for additional USB ports

❑ Double Stack Back-Panel I/O Connectors

- PS/2 Mini-DIN keyboard and mouse port
- Two USB ports
- Two 9-pin D-SUB male Serial port
- One 25-pin D-SUB female Printer port
- Audio Line-in/out and Mic-in jacks
- One 15-pin D-SUB female Game/MIDI port

❑ Onboard PCI CMedia 8738 Audio Subsystem (optional)

- Full-duplex operation for simultaneous recording and playback
- 6 channel speaker audio support

❑ Audio Subsystem via AC-link (optional)

- AC"97 V2.1 compliant CODEC with integrated SRC

❑ Embedded System Monitor Hardware

- 8 external voltage inputs
- 2 temperature sensor with thermistor for CPU and system
- 2 Fan speed (CPU and System) monitoring

1-2 Package Contents

This product comes with the following components:

- ❑ One mainboard
- ❑ One 40-pin (80-wire) UDMA-100 IDE connector ribbon cable (Figure 1-1)
 - * **Color coded connection:** Blue to mainboard, Gray to Master and Black to slave
- ❑ One 34-pin floppy disk drive ribbon cable (Figure 1-2)
- ❑ One User's Manual
- ❑ One CD-ROM that includes
 - Award Flash Utility and Award DMI Utility for DOS
 - SiS audio drivers and utilities for Win9x/2000/NT/XP
 - Promise RAID drivers and utility (optional)
 - SiS Service Pack for Windows OS including Bus Master IDE drivers, AGP VxD and etc.
- ❑ Optional **Value Pack 2002** software pack including Norton AntiVirus, AutoSave, ADOBE ActiveShare, Acrobat Reader, Imagemore, X-stop, Appio and Ewalla.
- 🗑️ See the Readme.txt file in the CD-ROM's root directory for installation instructions of all driver and software utilities.



Figure 1-1 UDMA-100 IDE cable

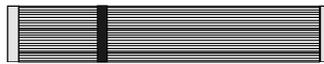
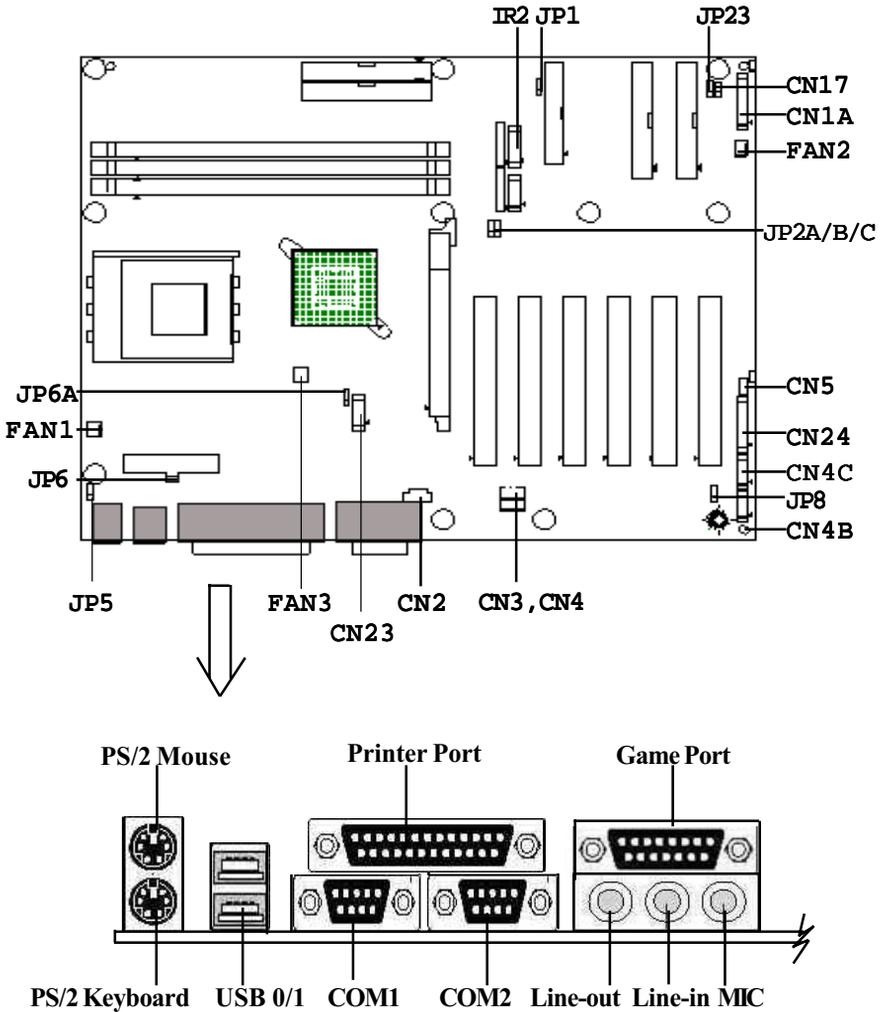


Figure 1-2 Standard Floppy cable



1-4 Connector and Jumper Reference Chart

Jumper & Connector No.	Function	Page
JP1	Clear CMOS Data Jumper	8
JP2A/JP2B/JP2C	External Clock Frequency	8
JP5	Power On By Keyboard	8
JP6/JP6A	Power On By USB 0/1 and 2/3	8
JP8	Optional Onboard Audio	8
CN1A	Over ride Power Button Connector	7
	Power Indicator LED Connector	
	Green Button Switch/LED Connector	
	System Reset Switch Connector	
	Speaker Connector	
	IDE Activity LED Connector	
CN2	CD-ROM Audio in Connector	9
CN3	Auxiliary Audio-in Connector	9
CN4	Audio Mono-in/out Connector	9
CN4B	AC3 Surround/Center + Bass Connector	9
CN4C	Optional S/PDIF-in/out Connector	9
CN5	WOL (Wake-on-LAN) Connector	9
CN7A/B/C	Smart@I/O Reader Connectors	9
CN17	Blue LED Connector	10
USB1/CN23	USB 0/1 Ports and USB 2/3 Connector	10
CN24	Front Panel Audio Connector	10
IR2	IR/CIR Connector	10
FAN1/FAN2/FAN3	CPU/System/Case Cooling Fan Connector	10
PT1	PS/2 Mouse and Keyboard Ports	10
PW1	ATX Power Supply Connector	6