



Slot1 VIA693-133 ATX Mainboard

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Chapter 1 - Introduction

1.1. Package Checklist

This mainboard package contains the following items. Please inspect the package contents and confirm that the following items are included. If there is anything missing or damaged, call your vendor for instructions before proceeding. The package includes :

Item	Quantity
Mainboard	1
Flat cable: 1. Floppy ribbon cable (34-pin)	1
2. IDE ribbon cable (40-pin)	1
User's Manual	1
Software Support CD-ROM	1

Chapter 1 - Introduction

1.2. Specifications

Chipset	System	VIA693 and VIA596 (-133)
CPU		Intel Pentium [®] C [®] / Celeron processor with slot 1 package
CPU Host Clock	66MHz	66MHz, 75MHz, 83MHz
	100MHz	100 ~ 150MHz
	133MHz	133 ~ 150MHz
Form Factor		ATX
BIOS		AWARD Green , Plug & Play
System Memory		Three 168-pin DIMMs [support EDO(3.3V)/ SDRAM / PC-100 / PC-133 MHz SDRAM] , Max. 1.2GB SDRAM main memory (Support ECC)
Slots	ISA	2 x 16-Bit ISA
	PCI	5 x 32-Bit PCI
	Shared	1 x PCI / ISA
	AGP	One AGP(Accelerated Graphics Port) slot for high performance 3D graphical card
I/O		<ol style="list-style-type: none"> Two high speed 16550 compatible serial ports. One Multi-Mode parallel port (SPP/EPP/ECP standard). Two Universal Serial Bus ports (USB). PS/2 keyboard and PS/2 mouse ports IrDA interface. Two IDE ports ,supports four IDE devices (PIO mode 4, DMA mode 2, Ultra DMA 33/66), and LS-120/ZIP disk driver Two 720KB/1.2MB/1.44MB/2.88MB floppy disk controller.
Features		<ol style="list-style-type: none"> Menu In BIOS (M.I.B.) for use for nature. Keyboard Password Power on. Supports Keyboard 98 Wake on LAN (WOL). Real Time Clock Wake-up. Modem Ring Wake-up. CPU FAN control in Suspend On/Off. Trend ChipAway/Virus in BIOS and PC-Cillin software in CD-ROM to ensure virus free. Fan speed control. CPU and System Temperature / Voltage monitor function (optional).
Dimension		Four-Layer PCB ATX size (305mm X 190mm)

Chapter 1 - Introduction

1.3. Technology

AGP (Accelerated Graphics Port)

The system board is equipped with 1 AGP slot, AGP is an interface designed to support high performance 3D graphics card. It utilizes a dedicated pipeline to access system memory for texturing, delivering up to 533MB/sec, bandwidth for 3D graphics applications. AGP in this Pentium II Processor based system board will deliver faster and better graphics with your PC.

SDRAM (Synchronous Dynamic Random Access Memory)

The system board supports unbuffered SDRAM memory. SDRAM is a DRAM technology that uses the clock on the chip to synchronize with the CPU clock so that the timing of the memory chips and the timing of the CPU are synchronized. This saves time during transmission of data, subsequently increasing system performance.

Ultra DMA-33/66 Bus Master IDE

Synchronous Ultra DMA mode provides data transfer rate up to a maximum of 33/66MB/sec, which is twice of the data transfer rate of Enhanced IDE or ATA-2. This enables the CPU to operate more efficiently while handling simultaneous events.

New Ultra ATA/66 IDE cable:40-pin connector 80conductor cable, color coded for connection: Blue to mainboard, Grey to slave, Black to master.

ECC (Error Checking and Correction)

ECC is a function that allows the system to recover from memory failure. It detects single-bit and multiple-bit errors and corrects single-bit error thus providing uninterrupted processing of data. To use this function, you must install DIMM that supports parity. Refer to the "Installing System Memory" section in Chapter 2 (2.1.1.) of this manual.

ACPI (Advanced Configuration and Power Interface)

The system board is designed to meet the ACPI specification. ACPI has energy saving features that enables PCs to implement Power Management and Plug-and-Play with operating systems that support OS Direct Power management.