

## Overview

### Chapter 1 Overview

This new mainboard is an ATX sized board supporting the latest generation of AMD® processors at industry leading speeds. By utilizing DDR (Double Data Rate) transfer rate of the system bus effectively reaches Front Side Bus speeds in 200/266/333MHz (KT-600 Pro reaches 400MHz.) As to system memory, it is up to DDR333 (KT-600 Pro to DDR400) MHz and has 3 PC2100/PC2700/PC3200\* DIMMs for up to 3 GB. The board provides users with an ATA133 data transaction for peripheral IDE drives .

(\*: If you use PC3200 DDR DIMM, only DIMM1/2 socket is allowed.)

The board is based upon the high performance VIA KT400A™ (KT-400A Pro and KT-400A) / KT600A™ (KT-600 Pro) as North Bridge and the VIA VT8235CE™ (KT-400A Pro) / VT8235CD™ (KT-400A) / VT8237™ (KT-600 Pro) as South Bridge. Its AGP functions supported AGP 3.0 interface and the most robust 3D games with software environments. The AGP slot onboard accepts 4X/8X AGP card.

The board comes with a versatile range of I/O features such as 2 serial ports, 1 parallel port, 1 LAN, 2 optional IEEE 1394, 1 PS/2 mouse and keyboard connector, 6 USB ports (KT-600 Pro has 8 USB ports and two SATA connectors), 1 media connector (front audio, Line-in, Line-out and Mic-in). In addition, the board is equipped with 2 dual channel enhanced PCI bus master IDE connectors. Ample expansion is available through 5 PCI and 1 AGP to meet the requirement for enjoying the CPU benefits in internet applications, video/3D graphics performance, and so forth.

Other key features are Remote On/Off, Auto Power Failure Recovery, integrated temperature monitoring and system fan control. Included also is 1st Utilities CD with enhanced drivers and a few bundled software solutions.

## Package Checklist

If you discover any item below was damaged or lost, please contact your vendor.

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*Mainboard*



*Floppy Drive  
Cable*



*80-Pin IDE  
Ribbon Cable*



*USB Cable*



*I/O Shielding*



*EZ Guide*



*Manual*



*Drivers*



*1394 Bracket  
with Cable  
(optional)*



*SATA Power Cable (top)  
SATA Data Cable (bottom)  
(optional)*

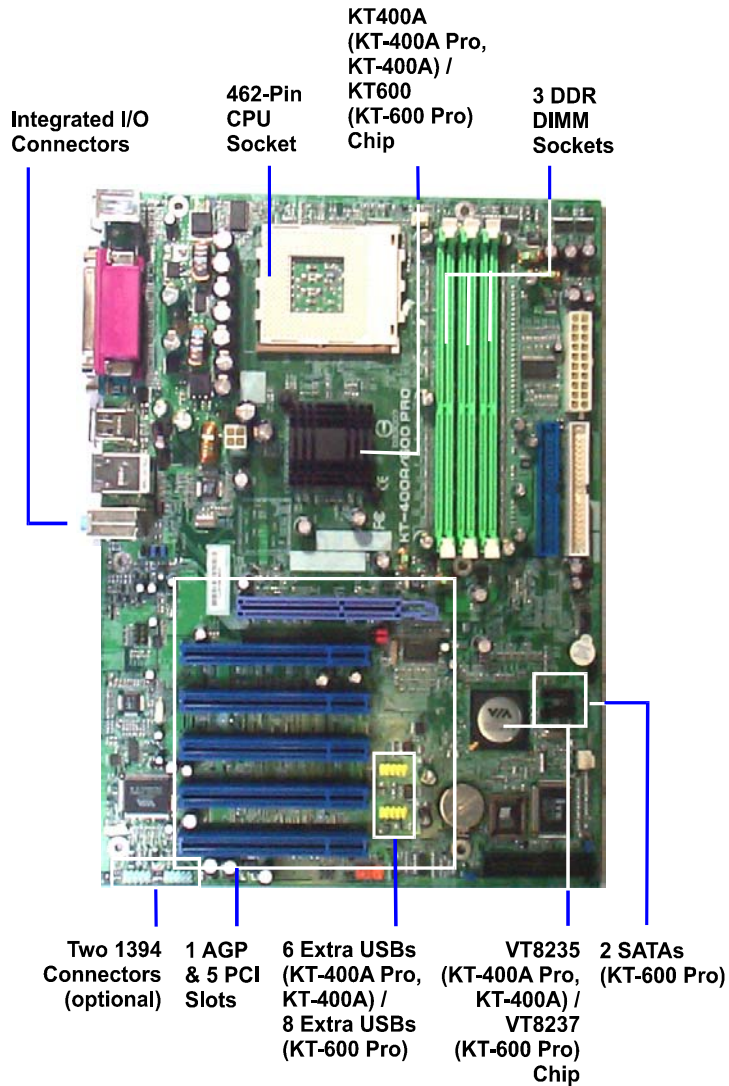


**NOTE:** **Ist Utilities** CD that contains patch files, onboard video/audio chip drivers, related online help and other useful information can be found in your mainboard package.

*Please install it right after your Windows operating system installation is done.* Place your Ist Utility in the drive, an operating menu will appears in your monitor. Please select *Auto Installation*. It will automatically detect which software tools (patch files, drivers) that the mainboard needs. Press **OK** button to go through the whole installation procedure in a very straight forward and easy way. It also provides you with a custom way to select wanted patch files and software drivers that for onboard chips use. **The top menu of Ist Utilities lists all the functions that allowed by this board.**

## KT-400A Pro / KT-400A / KT-600 Pro

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## Main Features

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### ■ CPU

#### ***KT-400A Pro and KT-400A***

**support AMD CPU FSB 200/266/333MHz -**

Athlon™ XP : 1500+ to 3000+,

Athlon™: 900MHz to 1.4GHz

Duron™: 900MHz to 1.3GHz

#### ***KT-600 Pro***

**support AMD CPU FSB 200/266/333/400MHz -**

Athlon™ XP : 1500+ to 3200+,

Athlon™: 900MHz to 1.4GHz

Duron™: 900MHz to 1.3GHz

### ■ Chipset

North Bridge: VIA® *KT400A (KT-400A Pro, KT-400A)*

VIA® *KT600A (KT-600 Pro)*

South Bridge: VIA® *8235CE (KT-400A Pro)*

VIA® *8235CD (KT-400A )*

VIA® *8237 (KT-600 Pro)*

### ■ Memory

3 memory sockets :

support 184-pin PC2100/PC2700/PC3200\* DDR SDRAM

memory size totally upto 3 GBs

(\*: If you use PC3200 DDR DIMM, only DIMM1/2 socket is allowed.)

### ■ Expansion Slots

1 AGP Slot : Spec. 3.0 4X/8X (0.8 /1.5V);

5 PCI Slots (PCI5 Slot is slave)

### ■ IDE Connections

2 IDE connectors - PIO mode, Ultra DMA 66/100/133

up to 4 devices

**■ Audio Features**

Realtek ALC650/655 (dual layout) controller; AC97  
LINE\_IN, LINE\_OUT, MICROPHONE\_IN Jack  
5.1 audio channel  
Front audio pinheaders

**■ I/O Ports**

2 IDE connectors -  
PIO, Bus Master, Ultra DMA 66/100/133  
up to 4 devices  
2 serial ports COM1 and COM2  
1 parallel port  
PS/2 mouse and PS/2 keyboard  
6 USB ports (KT-600 Pro has 8 USB ports)

**■ LAN**

VT6103L™ 10/100 Ethernet

**■ IEEE 1394 Ports (optional)**

VT6307L™  
2 ports  
1 bracket with cable

**■ SATA Connections (only KT-600 Pro support)**

VT8237™  
2 ports  
2 optional cables

**■ Mounting Holes**

6 holes

**■ Mainboard Size**

12 x 9 (unit: inch)

## FIC Unique Innovation for Users (NOVUS) - Enhanced Mainboard Features and System Support

- BIOS Guardian

BIOS Guardian effectively acts as a fire-wall against viruses that can attack the BIOS while the system is running and by default is enabled. Please read Page 3-7 for more detail information. **BIOS Guardian must be disabled before reflash BIOS.**

- Easy Key

Instead of completing the multi-layered BIOS setup process these 3 Easy Key functions provide direct access to Sub-Menu when completing BIOS settings adjustments.

Easy-Keys are as follows:

**Ctrl + c:** To enter clock settings menu.

**Ctrl + p:** To load Performance Default settings and restart.

**Ctrl + f:** To load Fail-Safe Default settings and restart.