

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 trans-action 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 1AGP to meet the requirement for enjoying the CPU benefits in internet applicatons, 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 soft-ware solutions.

Package Checklist

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



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)*

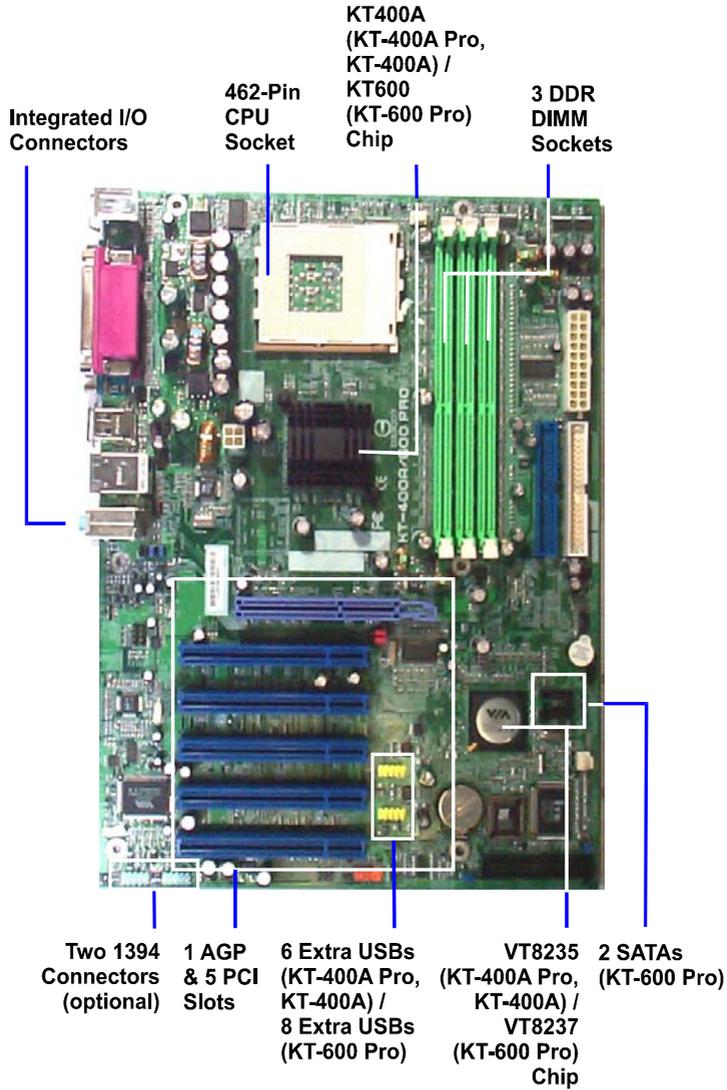


NOTE: **Ist Utilities** CD that contains patch files, onboard video/audio chip drivers, related online help and other useful information can be found in your mainboard package.

Please install it right after your Windows operating system installation is done. Place your **Ist Utility** in the drive, an operating menu will appear 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

**Chapter 1
Overview**



Main Features

■ 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

Chapter 1
Overview

- 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.