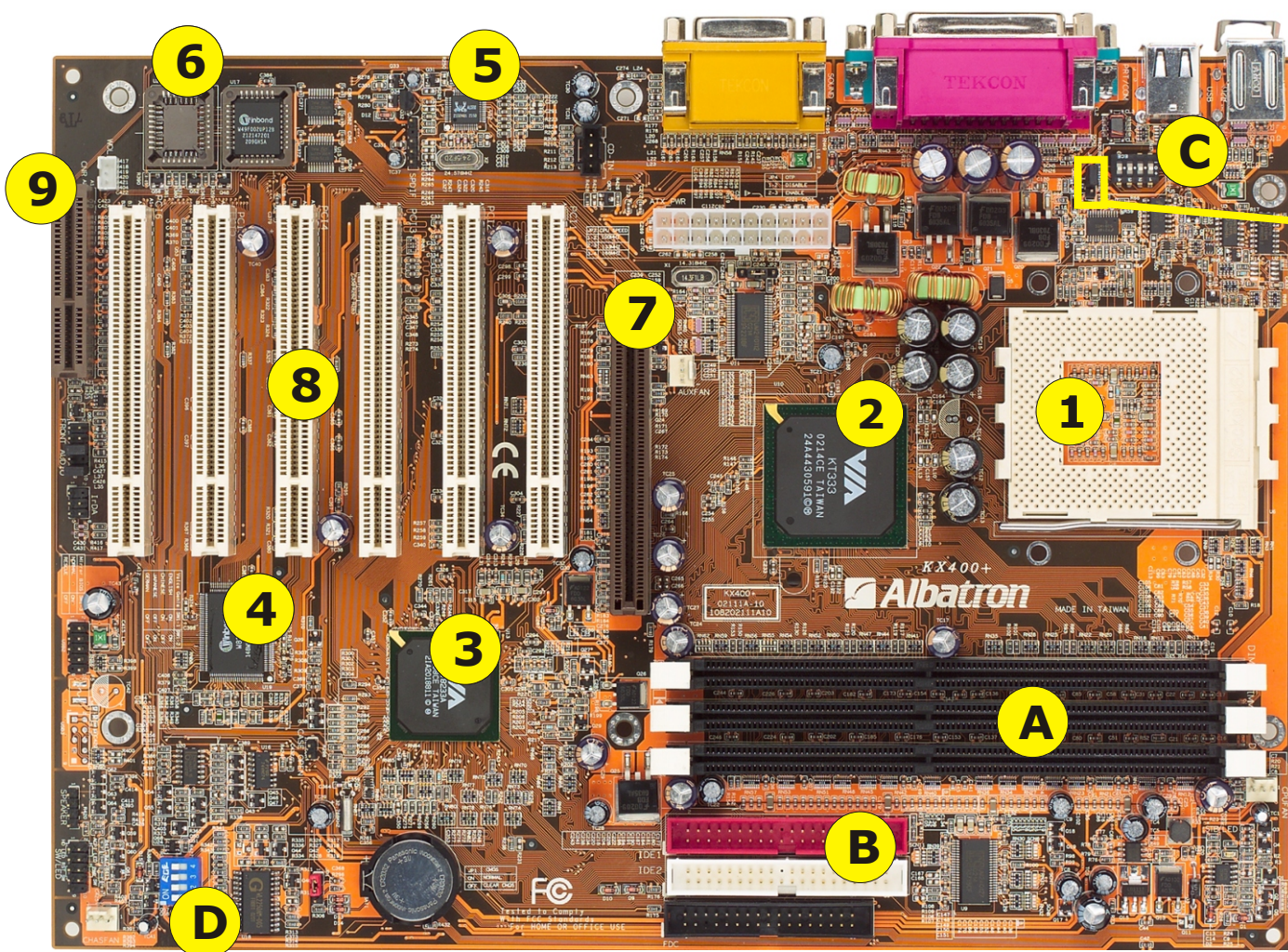


Albatron Socket A Mainboard- KX400+ Quick Guide



- 1** **Socket 462pin**
AMD Athlon™ (FSB200/266Mhz)
Athlon XP™ (FSB266Mhz)
Duron™ (FSB200Mhz)processor
CPU Temperature Sensor
- 2** **VT8367 (KT333)**
Supports DDR 333/266/200 SDRAM
- 3** **VIA VT8233A**
266MB/s performance in4x66 MHz mode (X4)
Supports up to 4 USB Ports
(USB v1.1 , Support S3 function sleep mode)
- 4** **Winbond I/O**
Integrated Hardware Monitor
- 5** **Audio CODEC**
PC99 Compliant
AC 97 2.2 Compliance
- 6** **BIOS Mirror**
For more details, please refer to Fig. 3
- 7** **AGP Slot**
AGP slot with 4X Capability
- 8** **PCI Slots**
PCI 2.2 Compliance PCI Controller
PCI1-5 Master PCI6 Slave
- 9** **CNR Slot (AMR Type)**
- A** **Supports up to 3 Double-sided DIMM (register & unbuffer)**
Up to 1GB per DIMM with Max. Memory size up to 3 GB

B **IDE Master/Slave Controller**
Ultra DMA-33/66/100/133

C **Special Design for Over Clocking (SW1)**
For more details, please refer to Fig. 1
Optional

D **Voice Genie (S1)**
A speech IC which monitor the power on process of mainboard
For more details, please refer to Fig. 2

E **Sophisticated OTP function (JP4)**
For more details, please refer to Fig. 4

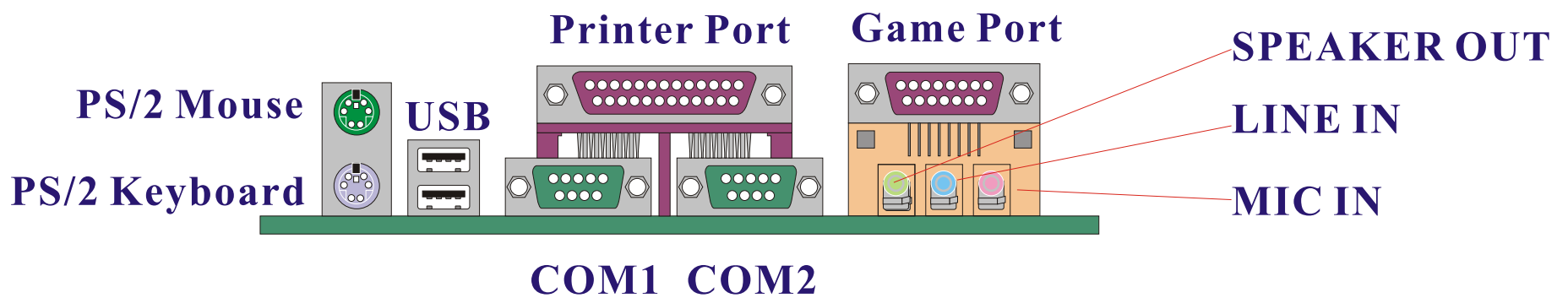
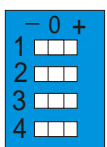


Fig1. C Special Design for Over Clocking (SW1)

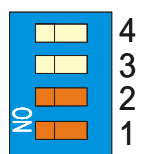


CPU Ratio	SW1	SW2	SW3	SW4
5.0	-	+	-	-
5.5	-	+	-	+
6.0	-	+	+	-
6.5	-	+	+	+
7.0	+	-	-	-
7.5	+	-	-	+

CPU Ratio	SW1	SW2	SW3	SW4
8.0	+	-	+	-
8.5	+	-	+	+
9.0	+	+	-	-
9.5	+	+	-	+
10	+	+	+	-
10.5	+	+	+	+

CPU Ratio	SW1	SW2	SW3	SW4
11	-	-	-	-
11.5	-	-	-	+
12	-	-	+	-
12.5	-	-	+	+
CPU Default	0	0	0	0

Fig2. D Voice Genie (S1)



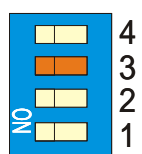
Voice Genie	S1-1	S1-2
English	ON	ON
Chinese	ON	OFF
Japanese	OFF	ON
German	OFF	OFF

Fig4. E Sophisticated OTP function (JP4)



JP4	OTP
1-2	Disable (Default)
2-3	Enable

Fig3. D BIOS Mirror (S1)



BIOS Mirror	S1-3
NORMAL	ON (U17)
RESCUE	OFF (U21)

Notice: "Disable" is the default in this function. This motherboard supports another special design for CPU Over Temperature Protection. If this function is set to and reinstall your CPU heat sink, then restart your system. This means that if you don't plug out, you will not be able to power on your system again.

Front Audio (FRONT AUDIO)

- | | | | |
|---|---|----|---------------------------|
| 1 | ● | 2 | 1:FP_MIC |
| 3 | ● | 4 | 2:GND |
| 5 | ● | 6 | 3:FP_VREF |
| 7 | ● | 8 | 4:+5V |
| 9 | ● | 10 | 5:SPOUT_R (from IC) |
| | | | 6:SPOUT_R (to connector) |
| | | | 7:NC |
| | | | 8:NC |
| | | | 9:SPOUT_L (from IC) |
| | | | 10:SPOUT_L (to connector) |

Wake on LAN (WOL)

5V_SB	1
GND	2
Wake Up	3

(SPDIF)

- | | | |
|---|---|-----------|
| 1 | ● | 1:PWR |
| | ○ | 2:NC |
| | ○ | 3:SPD_OUT |
| | ○ | 4:GND |
| | ○ | 5:SPD_IN |

CD Audio IN (CD_IN)

1	Left channel Input
2	GND
3	GND
4	Right channel Input

(IrDA)

- | | | | |
|---|---|---|---------|
| 1 | ● | 2 | 1:NC |
| 3 | ● | 4 | 2:NC |
| 5 | ● | 6 | 3:PWR |
| | | | 4:GND |
| | | | 5:IR_RX |
| | | | 6:IR_TX |

Front USB (USB2)

- | | | | |
|---|---|----|-----------|
| 1 | ● | 2 | 1&2:PWR |
| 3 | ● | 4 | 3&5:DATA0 |
| 5 | ● | 6 | 4&6:DATA1 |
| 7 | ● | 8 | 7&8:GND |
| 9 | ● | 10 | 9:NC |
| | | | 10:OVC |

(SPEAKER)

- | | | |
|---|---|-----------|
| 1 | ● | 1:PC BEEP |
| | ○ | 2:NA |
| | ○ | 3:GND |
| | ○ | 4:+5V |

(SW/LED)

- | | | | |
|-----|---|-----|-------------|
| + 1 | ● | 2 + | 1&3:HD LED |
| - 3 | ● | 4 - | 5&7:RESET |
| - 5 | ● | 6 + | 2&4:PWR LED |
| + 7 | ● | 8 - | 6&8:PWR ON |
| 9 | ● | 10 | 9&10:NC |

Clear CMOS (JP1)

Normal	1-2
Clear CMOS	2-3

CPU Speed (JP2)

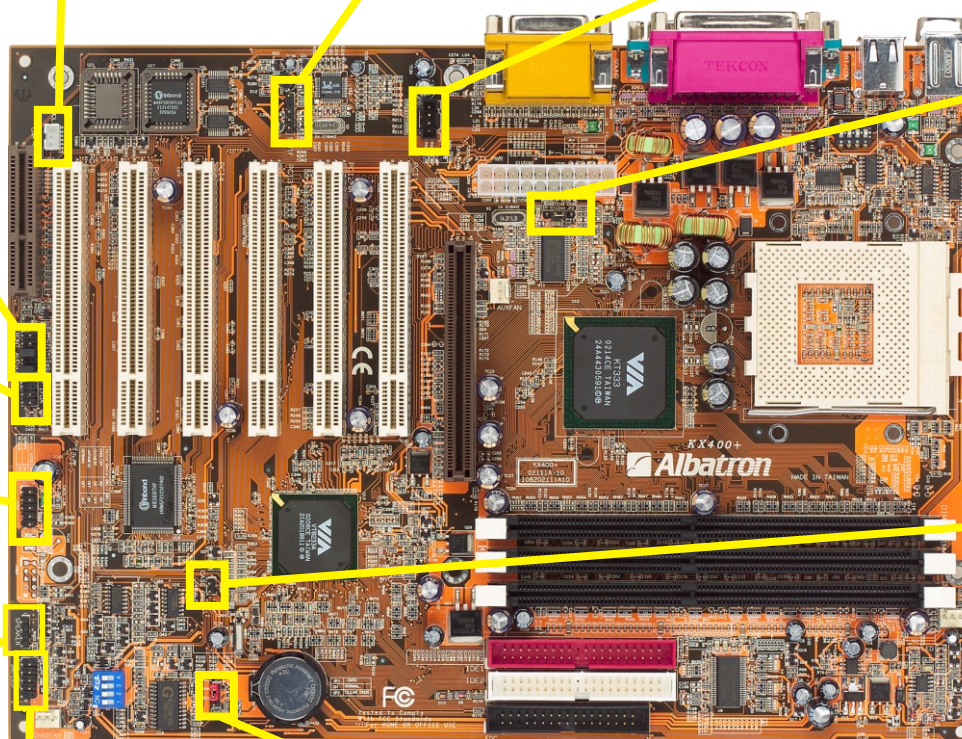
100Mhz	1-2
133Mhz	2-3
166Mhz	3-4

Case Open

- | | | |
|---|---|---------|
| 1 | ● | CASE OP |
| | ○ | GND |

(1) If this function is set to "Enabled" in BIOS and the case have been opened, the system will show alert message when you start your computer.

(2) If this function is set to "Disabled" in BIOS, the system will not show alert message even if the case had been opened.



Package contents

- | | | |
|--|--------------|--------------------------|
| 1. The KX400+ mainboard | 4. HDD cable | 7. Fully setup driver CD |
| 2. The KX400+ mainboard USER'S MANUEL | 5. FDD cable | |
| 3. The KX400+ mainboard Quick installation Guide | 6. USB cable | |



- The figures are for reference only; please regard to the products on hand.
- Unplug your computer when working on the inside.
- This computer mainboard contains very delicate IC chips, you should handle the mainboard with a grounded wrist strap.
- Not to touch the IC chips, leads or connectors, or other components.

If you need more detail informations of this mainboard, please read the *KX400+ USER'S MANUEL* or visit our website: <http://www.albatron.com.tw>

Copyright

This manual is the intellectual property of ALBATRON TECHNOLOGY CO., LTD. This specification is subject to change without notice.

Trademarks

The brand product names in this Manuel are trademarks of their respective companies.