Specification

- Supports 75~300 MHz Pentium CPUs at 50/55/60/66/75 MHz external clock speed with P54C and P55C, Cyrix/IBM 6x86/6x86L/6x86MX/MII, IDT C6 and AMD K5/K6 (3.2V & 2.2V) CPUs
- Provides auto switching power from 2.2V to 3.5V for CPU core voltage
- Onboard 512KB Pipeline Burst synchronous L2 cache and 16MB EDO system memory, extra two SIMM or one DIMM for EDO/FPM modules expansion, auto banking up to 144MB
- Two ISA Bus slots and two PCI Local Bus slots
- System BIOS supports Trend ChipAway Virus function to ensure the entire boot process is virus-free, no installation and configuration worries
- Bundled PC-cillin provides automatic Virus protection for Windows 95 and the Internet
- Onboard PCI IDE interface with two connectors supports four IDE devices in 2 channels
- Onboard super Multi-I/O chip supports two serial ports with 16550 compatible Fast UART, one parallel port with EPP and ECP capabilities, and one floppy disk drive interface
- Onboard Sound Pro supports:
  ----Sound Blaster 16/PRO compatible, HRTF 3D Positional Audio, provide drivers for 3D games that use Aureal software interface
  ----Windows Sound System V2.0 compatible, Accelerates Direct Sound 3D in Win95, and Windows 95/31 & DOS drivers
  ----44.1K digital audio(SPDIF)IN/OUT, HSP-23 Wavetable synthesizer, Full Duplex 16-bits CODEC with filters, and High quality 3D sound(ON/OFF controllable), and device supports SB16, WSS and Game
  ----Stereo Mixer supports analog mixing from CD-Audio & Line-In, supports digital mixing from Voice, FM/Wave-table & digital CD-Audio
- Onboard 64-bit VGA chip supports:
  ----high performance 64-bit GUI accelerator
  ----onboard 1MB/2MB (optional) video frame buffer
  ----high resolution graphic mode up to 1280x1024x256, NI at 2MB

The information presented in this publication has been carefully checked for reliability ; however, no responsibility is assumed for inaccuracies. Specifications are subject to change without notice

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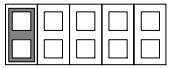
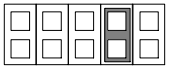
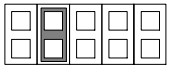
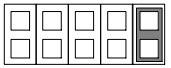
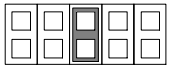
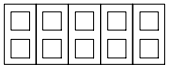
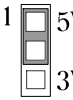
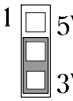
Jumper Settings

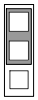
JP15(A,B,C,D,E): CPU Core Voltage Selectors

	Setting		Setting
3.5V	 A B C D E	2.9V	 A B C D E
3.3V	 A B C D E	2.8V	 A B C D E
3.2V	 A B C D E	2.2V	

JP11: DIMM Voltage Selector

DIMM V	Setting
5V	 1 5V 3V
3V	 1 5V 3V

J6: COMS RAM Clear

Description	J6
Normal Mode	
Clear CMOS	 1

JP1: Sound Pro Selector

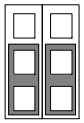
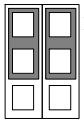
Description	Setting
Enable	
Disable	

JP5: Microphone Type Selector

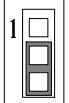
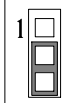
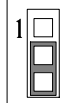
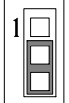
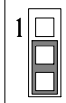
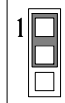
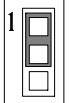
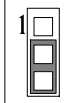
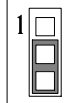
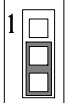
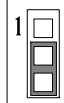
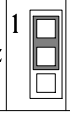
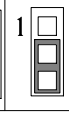
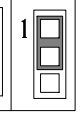
Description	Setting
Special	
Normal	

Jumper Settings

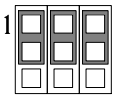
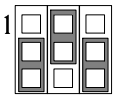
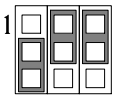
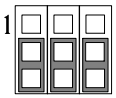
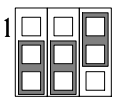
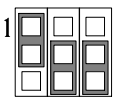
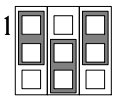
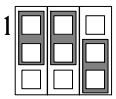
JP10: CPU Type Jumpers

CPU Type	Setting	Example
P55C (Dual Voltage)		Intel MMX , AMD K6, IBM/Cyrix 6x86L/ 6x86MX(M2)
P54C (Single Voltage)		Intel P54C, AMD K5, IBM/Cyrix 6x86, IDT C6

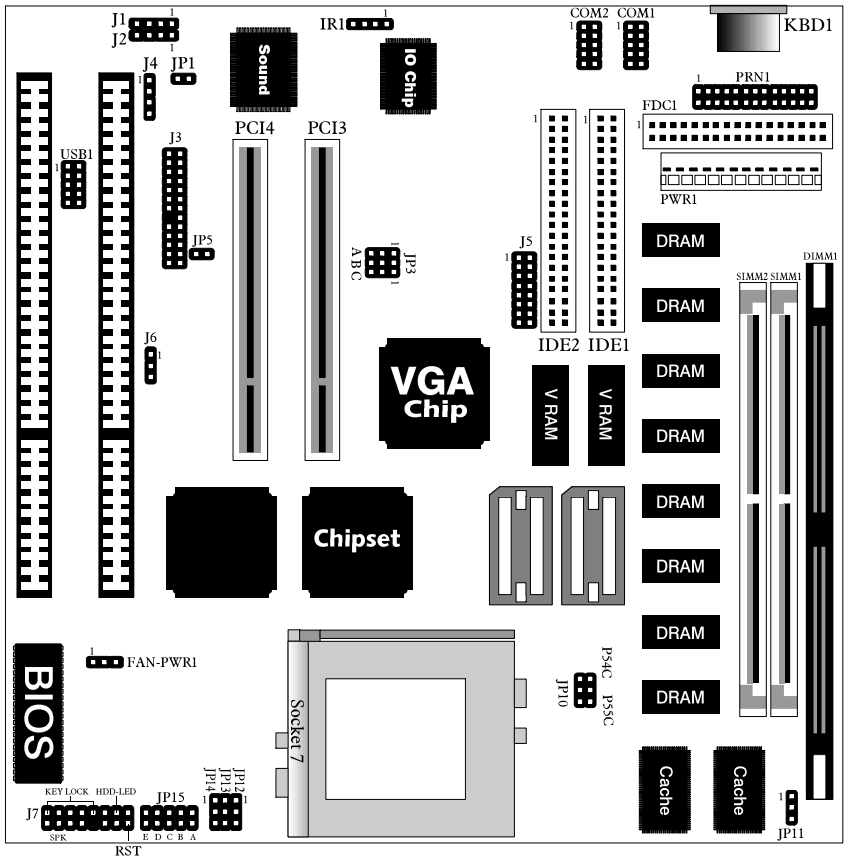
JP3(A,B,C): Frequency Jumpers

Jumpers	A	B	C
50MHz			
55MHz			
60MHz			
66MHz			
75MHz			

JP14, 13, 12: Multiplier Jumpers

Mul.	JP14,13,12	Mul.	JP14,13,12
1.5X/ 3.5X		4.0X	
2.0X		4.5X	
2.5X		5.0X	
3.0X		5.5X	

Component Locations



Quick Installation Guide

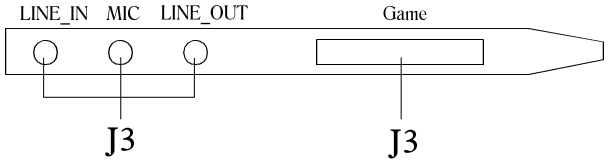
1. Set J6 to CMOS RAM normal mode (pin 1-2)
2. Set JP3 to select Frequency
3. Set JP12, JP13, JP14 to select Multiplier
4. Set JP15(A, B, C, D, E) to select CPU core voltage
5. Set JP10 to select CPU type
6. Insert CPU to CPU socket
7. Insert DRAM modules into SIMM1~2 or DIMM1 and notice that DIMM1 and SIMM1,2 can not be installed at the sametime.
8. Install mainboard into system chassis
9. Connect keyboard to KBD1
10. Insert peripheral cards (if required) onto the mainboard
11. Connect J5 to the VGA ribbon cable/bracket
12. Connect harddisk(s) to IDE1/IDE2
13. Connect floppy drive(s) to FDC1 connector
14. Connect serial ports to COM1 and COM2 connectors
15. Connect parallel port to PRN1 connector
16. Connect J1/J2 to "AUDIO" on the CD-ROM drive
17. Connect J4(1,2) to "DIGITAL AUDIO"on the CD-ROM drive.
18. Connect J3 to the Game & Sound ribbon cable/bracket.
19. Connect J7(HDD LED) to "Hard Disk Busy" LED on the system chassis
20. Connect J7(RST) to Reset Switch on the system chassis
21. Connect J7(SPK) to Speaker on the system chassis
22. Connect J7(KEYLOCK) to keylock and power LED on the system chassis
23. Connect power cord to PWR1 Power Supply Connector

Connectors

COM1/2: Serial Port #1/#2
PRN1: Parallel Port
FDC1: Floppy Disk Port
IDE1/IDE2: Primary/Secondary IDE Ports
KBD1: Keyboard Connector
PWR1: Power Supply Connector
J5: VGA Connector
J7(KEYLOCK): Keylock & Power LED Connector
J7(SPK): Speaker Connector
J7(RST): Reset Switch Connector
J7(HDD-LED): Hard Disk LED Connector
USB1: 2 set of USB Connector
J4(1,2)/J4(3,4): Digital Audio IN/OUT

J1/J2: Analog Audio for Sony/Panasonic
Connect to CD-ROM drive

J3: Game & Sound Connector
Sound contains Line-in, MIC(Microphone), and Line-out(Speaker). Game connector is also the Joystic connector. Please connect SOUND & GAME to the Sonnd & Game ribbon cable/bracket as follows:



IR1: Infra Red

pin	Description
1	RD(Lo)
2	Ground
3	TD
4	+5VDC

FAN-PWR1: Fan Power

pin	Description
1	Ground
2	+12VDC
3	Ground