

MAIN BOARD
USER'S MANUAL
(VER : 5ATX2)

INTEL® PENTIUM® CPU	CLOCK SPEED	RATIO	JP2	JP3	JP4	JP5	JP6	JP8	JP9	JP10
P54C 75 3.3V	50MHZ	1.5	1-2	1-2	1-2	1-2,5-6,7-8	OFF	1-2	1-2	1-2
P54C 90 3.3V	60MHZ	1.5	1-2	1-2	1-2	1-2,5-6,7-8	OFF	2-3	1-2	1-2
P54C 100 3.3V	66MHZ	1.5	1-2	1-2	1-2	1-2,5-6,7-8	OFF	1-2	2-3	1-2
P54C 120 3.3V	60MHZ	2	2-3	1-2	1-2	1-2,5-6,7-8	OFF	2-3	1-2	1-2
P54C 133 3.3V	66MHZ	2	2-3	1-2	1-2	1-2,5-6,7-8	OFF	1-2	2-3	1-2
P54C 150 3.3V	60MHZ	2.5	2-3	2-3	1-2	1-2,5-6,7-8	OFF	2-3	1-2	1-2
P54C 166 3.3V	66MHZ	2.5	2-3	2-3	1-2	1-2,5-6,7-8	OFF	1-2	2-3	1-2
P55C 166 2.8/3.3V	66MHZ	2.5	2-3	2-3	1-2	7-8	1-2,3-4,5-6	1-2	2-3	1-2
P54C 180 3.3V	60MHZ	3	1-2	2-3	1-2	1-2,5-6,7-8	OFF	2-3	1-2	1-2
P54C 200 3.3V	66MHZ	3	1-2	2-3	1-2	1-2,5-6,7-8	OFF	1-2	2-3	1-2
P55C 200 2.8/3.3V	66MHZ	3	1-2	2-3	1-2	7-8	1-2,3-4,5-6	1-2	2-3	1-2
P55C 233 2.8/3.3V	66MHZ	3.5	1-2	1-2	1-2	7-8	1-2,3-4,5-6	1-2	2-3	1-2

AMD® CPU	CLOCK SPEED	RATIO	JP2	JP3	JP4	JP5	JP6	JP8	JP9	JP10
PR75 3.52V	50MHZ	1.5	1-2	1-2	1-2	1-2,3-4,5-6,7-8	OFF	1-2	1-2	1-2
PR90/PR120 3.52V	60MHZ	1.5	1-2	1-2	1-2	1-2,3-4,5-6,7-8	OFF	2-3	1-2	1-2
PR100/PR133 3.52V	66MHZ	1.5	1-2	1-2	1-2	1-2,3-4,5-6,7-8	OFF	1-2	2-3	1-2
PR150 3.52V	60MHZ	2.5	2-3	2-3	1-2	1-2,3-4,5-6,7-8	OFF	2-3	1-2	1-2
PR166 3.52V	66MHZ	2.5	2-3	2-3	1-2	1-2,3-4,5-6,7-8	OFF	1-2	2-3	1-2
K6 PR166 2.9/3.3V	66MHZ	2.5	2-3	2-3	1-2	1-2,7-8	1-2,3-4,5-6	1-2	2-3	1-2
K6 PR200 2.9/3.3V	66MHZ	3	1-2	2-3	1-2	1-2,7-8	1-2,3-4,5-6	1-2	2-3	1-2
K6 PR233 3.2/3.3V	66MHZ	3.5	1-2	1-2	1-2	5-6,7-8	1-2,3-4,5-6	1-2	2-3	1-2
K6 PR266 2.2/3.3V	66MHZ	4	2-3	1-2	2-3	3-4	1-2,3-4,5-6	1-2	2-3	1-2
K6 PR300 2.2/3.45V	66MHZ	4.5	2-3	2-3	2-3	3-4	1-2,3-4,5-6	1-2	2-3	1-2

CYRIX® CPU	CLOCK SPEED	RATIO	JP2	JP3	JP4	JP5	JP6	JP8	JP9	JP10
P120+ 3.52V	50MHZ	2	2-3	1-2	1-2	1-2,3-4,5-6,7-8	OFF	1-2	1-2	1-2
P133+ 3.52V	55MHZ	2	2-3	1-2	1-2	1-2,3-4,5-6,7-8	OFF	1-2	1-2	2-3
P150+ 3.52V	60MHZ	2	2-3	1-2	1-2	1-2,3-4,5-6,7-8	OFF	2-3	1-2	1-2
P166+ 3.52V	66MHZ	2	2-3	1-2	1-2	1-2,3-4,5-6,7-8	OFF	1-2	2-3	1-2
P200 + 3.52V	75MHZ	2	2-3	1-2	1-2	1-2,3-4,5-6,7-8	OFF	2-3	1-2	2-3
P133+ 2.8/3.3V 6X86L	55MHZ	2	2-3	1-2	1-2	7-8	1-2,3-4,5-6	1-2	1-2	2-3
P150+ 2.8/3.3V 6X86L	60MHZ	2	2-3	1-2	1-2	7-8	1-2,3-4,5-6	2-3	1-2	1-2
P166+ 2.8/3.3V 6X86L	66MHZ	2	2-3	1-2	1-2	7-8	1-2,3-4,5-6	1-2	2-3	1-2
P200 + 2.8/3.3V 6X86L	75MHZ	2	2-3	1-2	1-2	7-8	1-2,3-4,5-6	2-3	1-2	2-3
MX PR166 2.9/3.3V	60MHZ	2.5	2-3	2-3	1-2	1-2,7-8	1-2,3-4,5-6	2-3	1-2	1-2
MX PP166 2.9/3.3V	66MHZ	2	2-3	1-2	1-2	1-2,7-8	1-2,3-4,5-6	1-2	2-3	1-2
MX PR200 2.9/3.3V	75MHZ	2	2-3	1-2	1-2	1-2,7-8	1-2,3-4,5-6	2-3	1-2	2-3
MX PR233 2.9/3.3V	75MHZ	2.5	2-3	2-3	1-2	1-2, 7-8	1-2,3-4,5-6	2-3	1-2	2-3
MII PR300 2.9/3.3V	66MHZ	3.5	1-2	1-2	1-2	1-2,7-8	1-2,3-4,5-6	1-2	2-3	1-2

EXPLANATION OF JUMPER SETTING

JP1 : DIMM voltage selector

	5V DIMM	3.3V DIMM
JP1	3-5, 4-6	1-3, 2-4

JP2,JP3 CPU frequency ratio selector

	1.5 X	2.0 X	2.5 X	3.0 X	3.5 X
JP2	1-2	2-3	2-3	1-2	1-2
JP3	1-2	1-2	2-3	2-3	1-2

JP4 RESERVED FOR AMD K6 CPU RATIO 4X/4.5X OR UP.

JP5 :VCORE voltage selector

JP5	VOLTAGE OUTPUT	JP5	VOLTAGE OUTPUT
1-2, 3-4, 5-6, 7-8	3.50V	1-2, 7-8	2.90V
1-2, 5-6, 7-8	3.30V	7-8	2.80V
5-6, 7-8	3.20V	1-2, 5-6	2.50V
1-2, 3-4, 7-8	3.10V	1-2	2.10V
3-4, 7-8	3.00V	OFF	2.00V

JP6 SINGLE /DUAL voltage cpu selector

	SINGLE VOLTAGE CPU	DUAL VOLTAGE CPU
JP6	OFF	1-2, 3-4, 5-6

5. JP8,JP9,JP10 : CPU frequency selector

	50 MHZ	55 MHZ	60 MHZ	66.6 MHZ	75 MHZ
JP8	1-2	1-2	2-3	1-2	2-3
JP9	1-2	1-2	1-2	2-3	1-2
JP10	1-2	2-3	1-2	1-2	2-3

JP15 : BATTERY selector

	NORMAL	CLEAR RTC
JP15	ON (DEFAULT)	OFF

JP13 caseconnector

PRIMARY / SECONDARY IDE CONNECTOR

PCI IDE controller connector supports up to four hard disk drive, CD-ROM, 120MB floppy (reserved for BIOS) and other devices.

FLOPPY DISK CONNECTOR

Standard floppy disk connector supports 360K, 720K, 1.2M, 1.44M and 2.88M floppy disk type.

PARALLEL PORT CONNECTOR

PARALLEL port connector supports standard printer port, enhanced parallel port (EPP), extended capabilities parallel port (ECP).

SERIAL PORT CONNECTOR.

SERIAL port connector supports 16550a high speed communication port that send/receive 16 bytes fifos.

USB (UNIVERSAL SERIAL BUS) CONNECTOR .

USB connector supports USB device.

NOTE : USB (UNIVERSAL SERIAL BUS) AND IRCON CONNECTOR ARE OPTIONAL.

PS/2 MOUSE CONNECTOR

mouse connector supports ~~PS/2~~ mouse

IRCON (INFRARED) CONNECTOR

IR connector supports ~~IR~~ device.

IR CONNECTOR PIN OUT						
PIN 1 RX	PIN 2 GND	PIN 3 TX	PIN 4 +5V	PIN 5 RXH	PIN 6 VCC	PIN 7 GND

NOTE : IR uses same I/O port as COM2. THERE is no any hardware jumper setting for IR/COM2 on this main board but customer needs to set proper BIOS setting for "HPSIR" , "ASKIR" or "DISABLED"(DEFAULT) UNDER "INFRA RED (IR) function" of "INTEGRATED Peripheral" according to the following table:

	IRDA 1.0	ASKIR	DISABLED
(UNDER INTEGRATED PERIPHERALS)"INFRA RED (IR) FUNCTION "	USE IRDA 1.0 ON IRCON.	USE AMPLITUDE SHIFT KEYED IR ON IRCON .	USE COM2 (DEFAULT)