

Appendix A

Jumper Table Summary

Setting the CPU Voltage

<u>JP11</u>	<u>CPU Core Voltage (Vcore)</u>
1-2	3.45V (default for P54C)
3-4	3.52V (Cyrix or AMD K5)
5-6	2.5V
7-8	3.2V (AMD K6-233)
9-10	2.8V (PP/MT P55C)
11-12	2.9V (AMD K6-166/200)

<u>JP12</u>	<u>I/O Voltage (Vio)</u>
1-2	3.43V (default)
3-4	3.52V

<u>JP3</u>	<u>JP13</u>	<u>CPU Type (Vcpuio)</u>
1-2 & 3-4	Open	Single voltage CPU, Vcpuio = Vcore , (default).
Open	1-2 & 3-4	Dual voltage CPU, Vcpuio = Vio, (PP/MT P55C).



Warning: The heat dissipation of Intel PP/MT-233Hz, AMD K6-200/233MHz exceed the original design of this mainboard. Please make sure that you have installed CPU fan properly if Intel PP/MT-233 or AMD K6-200/233 is being selected to use. It may cause your system unstable if you can not meet the heat dissipation requirement from above CPU type. It is recommended to adopt larger fan on these CPU for better air flow in the system.

Jumper Table Summary

CPU Type	Vcore	Vio	Vcpuio	JP11	JP12	JP3	JP13
INTEL P54C	3.43V	3.43V	Vcore	1-2	1-2	1-2 & 3-4	Open
INTEL PP/MT	2.8V	3.43V	Vio	9-10	1-2	Open	1-2 & 3-4
AMD K5	3.52V	3.43V	Vcore	3-4	1-2	1-2 & 3-4	Open
AMD K6-166/200	2.9V	3.43V	Vio	11-12	1-2	Open	1-2 & 3-4
AMD K6-233	3.2V	3.43V	Vio	7-8	1-2	Open	1-2 & 3-4
Cyrix 6x86	3.52V	3.43V	Vcore	3-4	1-2	1-2 & 3-4	Open
Cyrix 6x86L	2.8V	3.43V	Vio	9-10	1-2	Open	1-2 & 3-4

Selecting the CPU Frequency

JP10	CPU Frequency Ratio	JP1	CPU External Clock
1-2 & 3-4	1.5x (3.5x)	1-2 & 3-4	50MHz
3-4 & 5-6	2x	Open	55MHz
5-6 & 7-8	2.5x (1.75x)	1-2	60MHz
1-2 & 7-8	3x	3-4	66MHz



Tip: Intel PP/MT 233MHz is using 1.5x jumper setting for 3.5x frequency ratio, and AMD PR166 is using 2.5x setting for 1.75x frequency ratio..

Intel Pentium	CPU Core Frequency	Ratio	External Bus Clock	JP10	JP1
P54C 75	75MHz =	1.5x	50MHz	1-2 & 3-4	1-2 & 3-4
P54C 90	90MHz =	1.5x	60MHz	1-2 & 3-4	1-2
P54C 100	100MHz =	1.5x	66MHz	1-2 & 3-4	3-4
P54C 120	120MHz =	2x	60MHz	3-4 & 5-6	1-2
P54C 133	133MHz =	2x	66MHz	3-4 & 5-6	3-4
P54C 150	150MHz =	2.5x	60MHz	5-6 & 7-8	1-2
P54C 166	166MHz =	2.5x	66MHz	5-6 & 7-8	3-4
P54C 200	200MHz =	3x	66MHz	1-2 & 7-8	3-4

Jumper Table Summary

Intel Pentium	CPU Core Frequency	Ratio	External Bus Clock	JP10	JP1
PP/MT 150	150MHz =	2.5x	60MHz	5-6 & 7-8	1-2
PP/MT 166	166MHz =	2.5x	66MHz	5-6 & 7-8	3-4
PP/MT 200	200MHz =	3x	66MHz	1-2 & 7-8	3-4
PP/MT 233	233MHz =	3.5x	66MHz	1-2 & 3-4	3-4

Cyrix 6x86	CPU Core Frequency	Ratio	External Bus Clock	JP10	JP1
P120+	100MHz =	2x	50MHz	3-4 & 5-6	1-2 & 3-4
P133+	110MHz =	2x	55MHz	3-4 & 5-6	Open
P150+	120MHz =	2x	60MHz	3-4 & 5-6	1-2
P166+	133MHz =	2x	66MHz	3-4 & 5-6	3-4

AMD K5	CPU Core Frequency	Ratio	External Bus Clock	JP10	JP1
PR75	75MHz =	1.5x	50MHz	1-2 & 3-4	1-2 & 3-4
PR90	90MHz =	1.5x	60MHz	1-2 & 3-4	1-2
PR100	100MHz =	1.5x	66MHz	1-2 & 3-4	3-4
PR120	90MHz =	1.5x	60MHz	1-2 & 3-4	1-2
PR133	100MHz =	1.5x	66MHz	1-2 & 3-4	3-4
PR166	116MHz =	1.75x	66MHz	5-6 & 7-8	3-4

AMD K6	CPU Core Frequency	Ratio	External Bus Clock	JP10	JP1
PR2-166	166MHz =	2.5x	66MHz	5-6 & 7-8	3-4
PR2-200	200MHz =	3x	66MHz	1-2 & 7-8	3-4
PR2-233	233MHz =	3.5x	66MHz	1-2 & 3-4	3-4

Disabling the Onboard Super I/O

<u>JP8</u>	<u>Onboard Super I/O</u>
1-2	Enable (default)
2-3	Disable

Jumper Table Summary

Disabling the PS/2 Mouse

<u>JP4</u>	<u>PS/2 Mouse</u>
Short	Enable (default)
Open	Disable

Clear CMOS

<u>JP5</u>	<u>Clear CMOS</u>
1-2	Normal operation(default)
2-3	Clear CMOS

INTEL Flash ROM Programming

<u>JP1301</u>	<u>JP1302</u>	<u>Flash ROM Programming</u>
2-3	2-3	Enable (default)



Note: JP1301 and JP1302 is only used for INTEL flash ROM programming, they are no effect for other type Flash ROM, such as SST or Winbond.



Warning: JP1301 and JP1302 must always be enabled, fail to do so causing inconsistent BIOS code, and may damage the system.