
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)
5-6	2.9V (AMD K6-166/200)
7-8	2.8V (PP/MT P55C)
9-10	3.2V (AMD K6-233)
11-12	2.5V

Setting the CPU Type

<u>JP9</u>	<u>JP10</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	JP9	JP10
INTEL P54C	3.45V	3.45V	Vcore	1-2	1-2 & 3-4	Open
INTEL PP/MT	2.8V	3.45V	Vio	7-8	Open	1-2 & 3-4
AMD K5	3.52V	3.45V	Vcore	3-4	1-2 & 3-4	Open
AMD K6-166/200	2.9V	3.45V	Vio	5-6	Open	1-2 & 3-4
AMD K6-233	3.2V	3.45V	Vio	9-10	Open	1-2 & 3-4
Cyrix 6x86	3.52V	3.45V	Vcore	3-4	1-2 & 3-4	Open
Cyrix 6x86L	2.8V	3.45V	Vio	7-8	Open	1-2 & 3-4

Selecting the CPU Frequency

JP1	JP2	JP3	CPU Frequency Ratio	JP4	JP5	JP6	CPU External Clock
1-2	1-2	1-2	1.5x (3.5x)	1-2	2-3	1-2	60MHz
2-3	1-2	1-2	2x	2-3	2-3	1-2	66MHz
2-3	2-3	1-2	2.5x (1.75x)	2-3	1-2	1-2	75MHz
1-2	2-3	1-2	3x	1-2	1-2	2-3	83.3MHz



Warning: INTEL TX chipset supports only 60/66MHz external CPU bus clock, the 75/83.3 MHz settings are for internal test only, set to 75/83.3MHz exceeds the specification of TX chipset, which may cause serious system damage.



Note: Intel P/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.



Note: The setting of 83.3MHz is not available for IMI SC652B clock generator.

Jumper Table Summary

INTEL Pentium	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2 & JP3	JP4 & JP5 & JP6
P54C 90	90MHz =	1.5x	60MHz	1-2 & 1-2 & 1-2	1-2 & 2-3 & 1-2
P54C 100	100MHz =	1.5x	66MHz	1-2 & 1-2 & 1-2	2-3 & 2-3 & 1-2
P54C 120	120MHz =	2x	60MHz	2-3 & 1-2 & 1-2	1-2 & 2-3 & 1-2
P54C 133	133MHz =	2x	66MHz	2-3 & 1-2 & 1-2	2-3 & 2-3 & 1-2
P54C 150	150MHz =	2.5x	60MHz	2-3 & 2-3 & 1-2	1-2 & 2-3 & 1-2
P54C 166	166MHz =	2.5x	66MHz	2-3 & 2-3 & 1-2	2-3 & 2-3 & 1-2
P54C 200	200MHz =	3x	66MHz	1-2 & 2-3 & 1-2	2-3 & 2-3 & 1-2

INTEL Pentium	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2 & JP3	JP4 & JP5 & JP6
PP/MT 150	150MHz =	2.5x	60MHz	2-3 & 2-3 & 1-2	1-2 & 2-3 & 1-2
PP/MT 166	166MHz =	2.5x	66MHz	2-3 & 2-3 & 1-2	2-3 & 2-3 & 1-2
PP/MT 200	200MHz =	3x	66MHz	1-2 & 2-3 & 1-2	2-3 & 2-3 & 1-2
PP/MT 233	233MHz =	3.5x	66MHz	1-2 & 1-2 & 1-2	2-3 & 2-3 & 1-2

Cyrix 6x86 & 6x86L	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2 & JP3	JP4 & JP5 & JP6
P150+	120MHz =	2x	60MHz	2-3 & 1-2 & 1-2	1-2 & 2-3 & 1-2
P166+	133MHz =	2x	66MHz	2-3 & 1-2 & 1-2	2-3 & 2-3 & 1-2

AMD K5	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2 & JP3	JP4 & JP5 & JP6
PR90	90MHz =	1.5x	60MHz	1-2 & 1-2 & 1-2	1-2 & 2-3 & 1-2
PR100	100MHz =	1.5x	66MHz	1-2 & 1-2 & 1-2	2-3 & 2-3 & 1-2
PR120	90MHz =	1.5x	60MHz	1-2 & 1-2 & 1-2	1-2 & 2-3 & 1-2
PR133	100MHz =	1.5x	66MHz	1-2 & 1-2 & 1-2	2-3 & 2-3 & 1-2
PR166	116MHz =	1.75x	66MHz	2-3 & 2-3 & 1-2	2-3 & 2-3 & 1-2

AMD K6	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2 & JP3	JP4 & JP5 & JP6
PR2-166	166MHz =	2.5x	66MHz	2-3 & 2-3 & 1-2	2-3 & 2-3 & 1-2
PR2-200	200MHz =	3x	66MHz	1-2 & 2-3 & 1-2	2-3 & 2-3 & 1-2
PR2-233	233MHz =	3.5x	66MHz	1-2 & 1-2 & 1-2	2-3 & 2-3 & 1-2

Jumper Table Summary

Clear CMOS

<u>JP14</u>	<u>Clear CMOS</u>
1-2	Normal operation (default)
2-3	Clear CMOS