

Appendix C

Jumper Table Summary

Setting the CPU Voltage

CPU	Type	Vcore	S4	S5	S6	S7	S8
INTEL P54C	Single Voltage	3.45V	OFF	ON	ON	ON	OFF
INTEL P55C	Dual Voltage	2.8V	OFF	OFF	OFF	ON	OFF
AMD K5	Single Voltage	3.52V	ON	ON	ON	ON	OFF
AMD K6-166/200	Dual Voltage	2.9V	ON	OFF	OFF	ON	OFF
AMD K6-233	Dual Voltage	3.2V	OFF	OFF	ON	ON	OFF
AMD K6-266/300	Dual Voltage	2.2V	OFF	ON	OFF	OFF	OFF
AMD K6-2	Dual Voltage	2.2V	OFF	ON	OFF	OFF	OFF
AMD K6-2 400/450	Dual Voltage	2.4V	OFF	OFF	ON	OFF	OFF
AMD K6-III	Dual Voltage	2.4V	OFF	OFF	ON	OFF	OFF
Cyrix 6x86	Single Voltage	3.52V	ON	ON	ON	ON	OFF
Cyrix 6x86L	Dual Voltage	2.8V	OFF	OFF	OFF	ON	OFF
Cyrix M2	Dual Voltage	2.9V	ON	OFF	OFF	ON	OFF
IDT C6	Single Voltage	3.52V 3.3V	ON ON	ON OFF	ON ON	ON ON	OFF OFF



Warning: Make sure that you have installed CPU fan properly if Intel PP/MT-233 or AMD K6 is being selected to use. It may cause your system unstable if you can not meet the heat dissipation requirement from above CPU. It is recommended to adopt larger fan on these CPU for better air flow in the system.



Tip: Normally, for single voltage CPU, Vcpuio (CPU I/O Voltage) is equal to Vcore, but for CPU that needs dual voltage such as PP/MT (P55C) or Cyrix 6x86L, Vcpuio is different from Vcore and must be set to Vio (PBRAM and Chipset Voltage). The single or dual voltage CPU is automatically detected by hardware circuit.

Jumper Table Summary

Selecting the CPU Frequency

<u>S1</u>	<u>S2</u>	<u>S3</u>	<u>CPU Frequency</u> <u>Ratio</u>
OFF	OFF	OFF	1.5x (3.5x)
ON	OFF	OFF	2x
ON	ON	OFF	2.5x (1.75x)
OFF	ON	OFF	3x
ON	OFF	ON	4x
ON	ON	ON	4.5x
OFF	ON	ON	5x
OFF	OFF	ON	5.5x

<u>CPU CLK</u>	<u>AGP CLK</u>	<u>PCI CLK</u>	<u>JP4</u>	<u>JP5</u>	<u>JP6</u>	<u>JP25</u>
66MHz	66MHz	33MHz	1-2	1-2	1-2	1-2
68MHz	68MHz	34MHz	2-3	2-3	2-3	1-2
75MHz	75MHz	38MHz	1-2	2-3	1-2	1-2
83MHz	56MHz	28MHz	2-3	2-3	1-2	2-3
95MHz	64MHz	32MHz	2-3	1-2	2-3	2-3
100MHz	66MHz	33MHz	1-2	1-2	2-3	2-3
112MHz	75MHz	37MHz	1-2	2-3	2-3	2-3



Note: Intel PP/MT MMX 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.



Warning: VIA MVP3 chipset supports maximum 100MHz external CPU bus clock, the 112MHz settings are for internal test only, **set to 112MHz exceeds the specification of MVP3 chipset, which may cause serious system damage.**

Jumper Table Summary

INTEL Pentium	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4,JP5,JP6,JP25
P54C 100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2
P54C 133	133MHz =	2x	66MHz	ON	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2
P54C 166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2 & 1-2
P54C 200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2 & 1-2

INTEL Pentium MMX	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4,JP5,JP6,JP25
PP/MT 166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2 & 1-2
PP/MT 200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2 & 1-2
PP/MT 233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2

Cyrix 6x86 & 6x86L	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4,JP5,JP6,JP25
P166+	133MHz =	2x	66MHz	ON	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2
P200+	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2 & 1-2

Cyrix M2	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4,JP5,JP6,JP25
MX-PR200	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2 & 1-2
	150MHz=	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2 & 1-2
MX-PR233	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2 & 1-2
	166MHz=	2x	83.3MHz	ON	OFF	OFF	2-3 & 2-3 & 1-2 & 2-3
MX-PR266	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2
MX-PR300	225MHz=	3x	75MHz	OFF	ON	OFF	1-2 & 2-3 & 1-2 & 1-2
	233MHz=	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2

IDT C6	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4,JP5,JP6,JP25
C6-150	150MHz =	2x	75MHz	ON	OFF	OFF	1-2 & 2-3 & 1-2 & 1-2
C6-200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2 & 1-2

Jumper Table Summary

AMD K5	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4,JP5,JP6,JP25
PR100	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2
PR133	100MHz =	1.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2
PR166	116MHz =	1.75x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2 & 1-2

AMD K6	CPU Core Frequency	Ratio	External Bus Clock	S1	S2	S3	JP4,JP5,JP6,JP25
K6-166	166MHz =	2.5x	66MHz	ON	ON	OFF	1-2 & 1-2 & 1-2 & 1-2
K6-200	200MHz =	3x	66MHz	OFF	ON	OFF	1-2 & 1-2 & 1-2 & 1-2
K6-233	233MHz =	3.5x	66MHz	OFF	OFF	OFF	1-2 & 1-2 & 1-2 & 1-2
K6-266	266MHz=	4x	66MHz	ON	OFF	ON	1-2 & 1-2 & 1-2 & 1-2
K6-300	300MHz=	4.5x	66MHz	ON	ON	ON	1-2 & 1-2 & 1-2 & 1-2
K6-2 333	333MHz	3.5x	95MHz	OFF	OFF	OFF	2-3 & 1-2 & 2-3 & 2-3
K6-2 350	350MHz	3.5x	100MHz	OFF	OFF	OFF	1-2 & 1-2 & 2-3 & 2-3
K6-2 366	366MHz	5.5x	66MHz	OFF	OFF	ON	1-2 & 1-2 & 1-2 & 1-2
K6-2 380	380MHz	4x	95MHz	ON	OFF	ON	2-3 & 1-2 & 2-3 & 2-3
K6-2 400	400MHz	4x	100MHz	ON	OFF	ON	1-2 & 1-2 & 2-3 & 2-3
K6-2 450	450MHz	4.5x	100MHz	ON	ON	ON	1-2 & 1-2 & 2-3 & 2-3
K6-III 400	400MHz	4x	100MHz	ON	OFF	ON	1-2 & 1-2 & 2-3 & 2-3
K6-III 450	450MHz	4.5	100MHz	ON	ON	ON	1-2 & 1-2 & 2-3 & 2-3

DRAM Clock

JP23	JP24	DRAM CLK
1-2	1-2	CPU CLK
2-3	2-3	AGP CLK

Clear CMOS

JP14	Clear CMOS
1-2	Normal operation (default)
2-3	Clear CMOS