



Jumper Settings

Jumper Table

Jumper Table Summary of AP5VM CPU Voltage Select

Jumper Settings

JP7	CPU Core Voltage (Vcore)	JP8	I/O Voltage (Vio)
1-2	3.45V (Intel P54C or IDT C6)	1-2	3.45V (default)
3-4	3.52V (Cyrix or AMD K5)	3-4	3.52V
5-6	2.9V (AMD K6-166/200)		
7-8	2.8V (MMX P55C or Cyrix M2)		
9-10	3.2V (AMD K6-233)		
11-12	2.5V		
JP9	JP10	JP11	JP12
1-2 & 3-4	Open	1-2 & 3-4	Open
Open	1-2 & 3-4	Open	1-2 & 3-4
			CPU Type (Vcpuio)
			Single Voltage CPU Vcpuio = Vcore (default)
			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 motherboard. 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.

CPU Type	Vcore	Vio	Vcpuio	JP7	JP8	JP9	JP10	JP11	JP12
Intel P54C	3.45V	3.45V	Vcore	1-2	1-2	1-2, 3-4	Open	1-2, 3-4	Open
Intel MMX (P55C)	2.8V	3.45V	Vio	7-8	1-2	Open	1-2, 3-4	Open	1-2, 3-4
AMD K5 (Single voltage)	3.52V	3.45V	Vcore	3-4	1-2	1-2, 3-4	Open	1-2, 3-4	Open
AMD K6-166/200	2.9V	3.45V	Vio	5-6	1-2	Open	1-2, 3-4	Open	1-2, 3-4
AMD K6-233	3.2V	3.45V	Vio	9-10	1-2	Open	1-2, 3-4	Open	1-2, 3-4
Cyrix 6x86	3.52V	3.45V	Vcore	3-4	1-2	1-2, 3-4	Open	1-2, 3-4	Open
Cyrix 6x86L	2.8V	3.45V	Vio	7-8	1-2	Open	1-2, 3-4	Open	1-2, 3-4
Cyrix M2	2.8V	3.45V	Vio	7-8	1-2	Open	1-2, 3-4	Open	1-2, 3-4

CPU Frequency Select

JP1	JP2	CPU Frequency Ratio	JP3	JP4	CPU External Clock
1-2	1-2	1.5x (3.5x)	2-3	2-3	50MHz
2-3	1-2	2x	1-2	2-3	60MHz
2-3	2-3	2.5x (1.75x)	2-3	1-2	66MHz
1-2	2-3	3x			
Intel Pentium	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
P54C 75	75MHz =	1.5x	50MHz	1-2 & 1-2	2-3 & 2-3
P54C 90	90MHz =	1.5x	60MHz	1-2 & 1-2	1-2 & 2-3
P54C 100	100MHz =	1.5x	66MHz	1-2 & 1-2	2-3 & 1-2
P54C 120	120MHz =	2x	60MHz	2-3 & 1-2	1-2 & 2-3
P54C 133	133MHz =	2x	66MHz	2-3 & 1-2	2-3 & 1-2
P54C 150	150MHz =	2.5x	60MHz	2-3 & 2-3	1-2 & 2-3
P54C 166	166MHz =	2.5x	66MHz	2-3 & 2-3	2-3 & 1-2
P54C 200	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2
Intel Pentium	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
PP/MT 150 (P55C)	150MHz =	2.5x	60MHz	2-3 & 2-3	1-2 & 2-3
PP/MT 166 (P55C)	166MHz =	2.5x	66MHz	2-3 & 2-3	2-3 & 1-2
PP/MT 200 (P55C)	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2
PP/MT 233 (P55C)	233MHz =	3.5x	66MHz	1-2 & 1-2	2-3 & 1-2
Cyrix 6x86	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
P120+	100MHz =	2x	50MHz	2-3 & 1-2	2-3 & 1-2
P150+	120MHz =	2x	60MHz	2-3 & 1-2	1-2 & 2-3
P166+	133MHz =	2x	66MHz	2-3 & 1-2	2-3 & 1-2
AMD K5	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
PR90	90MHz =	1.5x	60MHz	1-2 & 1-2	1-2 & 2-3

PR100	100MHz =	1.5x	66MHz	1-2 & 1-2	2-3 & 1-2
PR120	90MHz =	1.5x	60MHz	1-2 & 1-2	1-2 & 2-3
PR133	100MHz =	1.5x	66MHz	1-2 & 1-2	2-3 & 1-2
PR166	116MHz =	1.75x	66MHz	2-3 & 2-3	2-3 & 1-2
AMD K6	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
PR2-166	166MHz =	2.5x	66MHz	2-3 & 2-3	2-3 & 1-2
PR2-200	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2
PR2-233	233MHz =	3.5x	66MHz	1-2 & 1-2	2-3 & 1-2
IDT C6	CPU Core Frequency	Ratio	External Bus Clock	JP1 & JP2	JP3 & JP4
C6-180	180MHz =	3x	60MHz	1-2 & 2-3	1-2 & 2-3
C6-200	200MHz =	3x	66MHz	1-2 & 2-3	2-3 & 1-2

Enable/Disable Onboard Super I/O Controller

JP18	Onboard Super I/O
1-2	Enabled (default)
2-3	Disabled

Enable/Disable PS/2 Mouse Function

JP20	PS/2 Mouse
1-2	Enabled (default)
2-3	Disabled

Clearing CMOS

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

DIMM Memory Type Select

JP25	Memory Type
Open	SDRAM
1-2 & 3-4	EDO

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