

## Quick Jumper Setting Reference

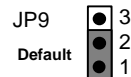
Set the System Bus Speed, AGP and PCI clocks: JP6 to JP12

Speed Settings MHz			Short Pin Settings						
CPU CLK	AGP CLK	PCI CLK	JP6	JP7	JP8	JP9	JP10	JP11	JP12
112	74	37	1-2	2-3	2-3	1-2	2-3	1-2	2-3
100	66	33	1-2	1-2	2-3	1-2	2-3	1-2	2-3
95/90	63	31	2-3	1-2	2-3	1-2	2-3	1-2	2-3
83	55	27	2-3	2-3	1-2	1-2	2-3	1-2	2-3
75	75	37	1-2	2-3	1-2	1-2	2-3	2-3	1-2
68	68	34	2-3	2-3	2-3	1-2	2-3	2-3	1-2
66	66	33	1-2	1-2	1-2	1-2	2-3	2-3	1-2

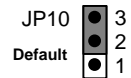
Shaded row indicates the default values.

Set the Memory Bus Speed: J9 and J10(CPU CLK:66MHz)

J9 Function	Jumper Cap
DRAM run CPU CLK	Short Pins 1-2
DRAM run AGP CLK	Short pins 2-3

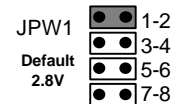


J 10Function	Jumper Cap
DRAM run AGP CLK	Short Pins 1-2
DRAM run CPU CLK	Short pins 2-3



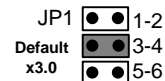
Set CPU Core Voltage: JPW1

Core Voltage	Pins 1-2	Pins 3-4	Pins 5-6	Pins 7-8
3.5V	Short	Short	Short	Short
3.3V	Short	Short	Open	Short
3.2V	Short	Short	Open	Open
2.9V	Short	Open	Open	Short
2.8V	Short	Open	Open	Open
2.2V	Open	Open	Short	Open
2.1V	Open	Open	Open	Short



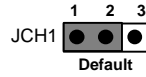
Set the Processor Clock Speed: JP1

Bus Multiplier	Pins 1-2	Pins 3-4	Pins 5-6
x1.5/x3.5	Open	Open	Open
x2.0	Short	Open	Open
x2.5	Short	Short	Open
x3.0	Open	Short	Open
x4.0	Close	Open	Close
x4.5	Close	Close	Close
x5.0	Open	Close	Close
x5.5	Open	Open	Close



Set Burst Mode: JCH1

Function	Jumper Cap
Interleave Burst	Short Pins 1-2
Linear Burst	Short pins 2-3

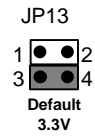


Set for single voltage CPU or dual voltage CPU: JV\_L1

Function	Jumper Cap	Example CPUs
Single voltage CPU	Open Pins 1-2	Intel P54C, IDT C6, AMD K5, IBM/Cyrix 6x86
Dual voltage CPU	Short pins 1-2	Intel MMX, AMD K6/K6-2, IBM/Cyrix 6x86L/6x86MII

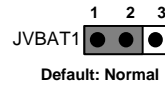
Set CPU I/O Voltage: JP13

Voltage Setting	Jumper Cap
3.52 Volts	Short 1-2
3.3 Volts	Short 3-4

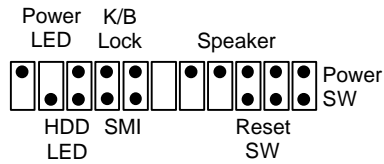


Clear CMOS Memory Jumper: JVBAT1

Function	Jumper Cap Position
Normal Operation	Short pins 1-2
Clear CMOS Memory	Short pins 2-3



PANEL Connectors: F\_PNL1



## CPU Settings

Internal Clock	External Clock	Clock Factor
<b>Intel Pentium CPUs (Including MMX)</b>		
100 MHz	66MHz	x1.5
133MHz	66MHz	x2.0
166MHz	66MHz	x2.5
200MHz	66MHz	x3.0
233MHz	66MHz	x3.5
<b>Cyrix/IBM CPUs</b>		
6X86 & 6X86L-		
P166+(133MHz)	66MHz	x2.0
P200+(150MHz)	75MHz	x2.0
6X86MX/MII-		
PR166(133MHz)	66MHz	x2.0
PR200(166MHz)	66MHz	x2.5
PR233(200MHz)	66MHz	x3.0
PR200(150MHz)	75MHz	x2.0
PR233(188MHz)	75MHz	x2.5
PR300(225MHz)	75MHz	x3.0
PR233(166MHz)	83MHz	x2.0
PR266(208MHz)	83MHz	x2.5
PR333(250MHz)	83MHz	x3.0
<b>AMD CPUs</b>		
K5		
PR100(100MHz)	66MHz	x1.5
PR133(133MHz)	66MHz	x2.0
PR166(166MHz)	66MHz	x2.5
K6		
PR166(166MHz)	66MHz	x2.5
PR200(200MHz)	66MHz	x3.0
PR233(233MHz)	66MHz	x3.5
PR266(266MHz)	66MHz	x4.0
PR300(300MHz)	66MHz	x4.5
K6/2		
PR333(333MHz)	95MHz	x3.5
PR300(300MHz)	100MHz	x3.0
PR350(350MHz)	100MHz	x3.5

•Since the internal clock speed of the CPU is supposed to operate at is fixed, the two factors, external clock and clock factor, are the variables. **The CPU manufacturer or vendor's information should tell you what these factors should be.**

- P Rated CPUs

Cyrix, IBM and AMD all make Pentium-class CPUs that are performance rated at an Intel Pentium equivalent speed but actually may have a slower internal clock speed. This 'P' rating is used to indicate the CPU's performance rather than its internal clock speed. For example, the Cyrix/IBM P200 has an actual internal clock speed of 150MHz . If you install a CPU of this type, make sure you set the mainboard for the actual internal clock speed of the CPU, not its P rating.

- The CPU Settings will be revised according to CPU manufacturer's new product. For details please refer to the CPU manufacturer or vendor's information.