

Installation Procedures

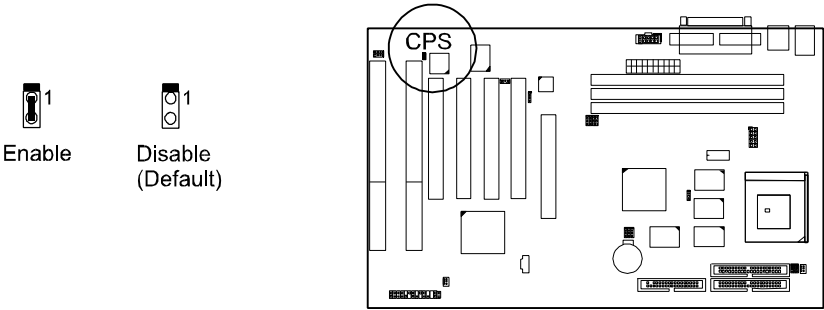
The motherboard has several user-adjustable jumpers on the board that allow you to configure your system to suit your requirements. To set up your computer, you should follow these installation steps. To set up your computer, you should follow these installation steps:

- Step 1 -
Set system jumpers
- Step 2 -
Install memory modules
- Step 3 -
Install the CPU
- Step 4 -
Install expansion cards
- Step 5 -
Connect cables and power supply
- Step 6 -
Set up BIOS feature
- Step 7 -
Set up supporting software utilities

CAUTION : If you use an electric drill to install this motherboard on your chassis, please wear a static wrist strap. The recommended electric drill torque is from 5.0 to 8.0 kg/cm to avoid damaging the chips' pins.

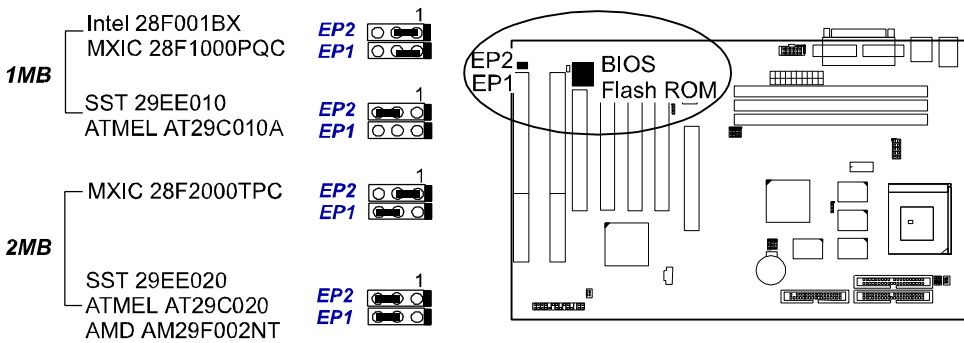
Clear Password: CPS

This jumper allows you to enable or to disable the password configuration. You may need to enable this jumper by shorting it with a jumper cap if you forget your password. To clear the password setting: 1. Turn off your computer, (2). Short this jumper by placing a jumper cap on it, (3) Turn on your computer, (4), Hold down the Delete key during boot and enter BIOS Setup to re-enter user preferences, (5) Turn off your computer, (6) Remove the jumper cap, (7) Turn on your computer for the new settings to take effect.



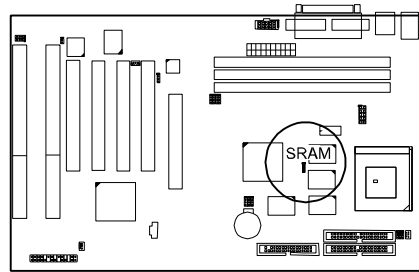
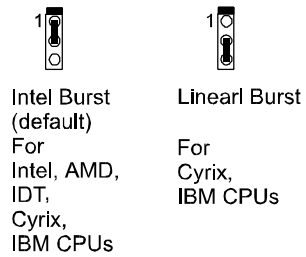
Flash ROM Type Selection: EP1, EP2

These two jumpers allow you to configure the type of flash ROM chip. This jumper setting is correct by manufactory default. If you want to know the flash ROM type installed on this motherboard, remove the sticker from the chip to see its type.

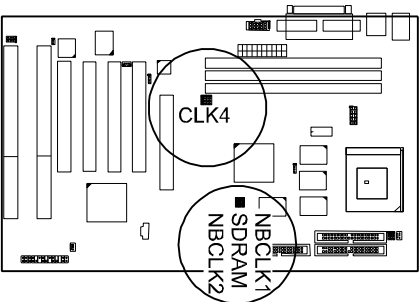


CPU to SRAM Data Transacting Mode Selection: SRAM

This jumper allows you to select the CPU to SRAM data read/write mode. If you install a Cyrix or IBM processor on this motherboard, please set at 2-3 pin pair. Please also read Linear Burst feature of Chipset Features Setup, Chapter 3 for more information.



**DIMM Frequency: CLK4,
SDRAM**
**System Frequency: NBCLK1,
NBCLK2**

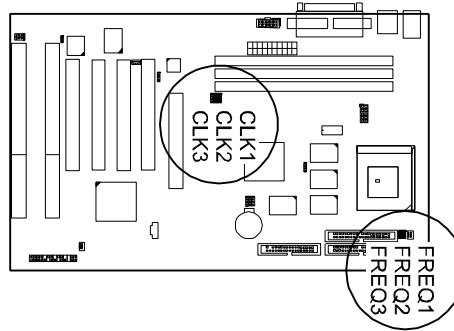


<div>CPU External Freq.</div> <div>DIMM Freq.</div>	PC-100 -7ns, -8ns	Non PC-100 -8ns, -10ns, -12ns, above	
124MHz 112MHz	N/A		
100MHz 95MHz 83MHz			
75MHz 68MHz		 *	 **
66MHz		(Default) 	

* set for stable performance,
**set for high performance, but some SDRAM may make the system unstable.

CPU External (BUS) Frequency: CLK1, CLK2, CLK3

The table below shows the jumper settings for the different CPU speed configurations.



66MHz		68MHz		75MHz		83MHz	
95MHz		100MHz		112MHz*		124MHz*	

NOTE: * when it selected, the system performance will not be guaranteed.

CPU to Bus Frequency Ratio: FREQ1, FREQ2, FREQ3

These three jumpers are used in combination to decide the ratio of the internal frequency of the CPU to the bus clock.

2 x		3 x (2 x for AMD-K5)		4 x		5 x	
2.5 x (1.75 x for AMD-K5)		3.5 x (1.5 x for AMD-K5)		4.5 x		5.5 x	

Set CPU Frequency

Model	Freq.	Bus Freq.	Ratio
Intel Pentium MMX-233	233	66	3.5 x
Intel Pentium MMX-200	200	66	3 x
Intel Pentium MMX-166	166	66	2.5 x
Intel Pentium-200	200	66	3 x
Intel Pentium-166	166	66	2.5 x
Intel Pentium-133	133	66	2 x
Intel Pentium-100	100	66	1.5 x
AMD-K6-2-400*	400	100	4 x
AMD-K6-2-366*	366	66	5.5 x
AMD-K6-2-350	350	100	3.5 x
AMD-K6-2-333	333	95	3.5 x
AMD-K6-2-300	300	66	4.5 x
		100	3 x
AMD-K6-300	300	66	4.5 x
AMD-K6-266	266	66	4 x
AMD-K6-233	233	66	3.5 x
AMD-K6-200	200	66	3 x
AMD-K6-166	166	66	2.5 x
AMD-K5-PR200	133	66	2 x
AMD-K5-PR166	116	66	1.75 x
AMD-K5-PR133	100	66	1.5 x
AMD-K5-PR100	100	66	1.5 x
Cyrix M II-350*	300	100	3 x
IBM 6x86MX-PR350*	291	83	3.5 x
	300	75	4 x
Cyrix M II-333	266*	66*	4 x*
IBM 6x86MX-PR333	263*	75*	3.5 x*
	250	83	3 x
	250*	100*	2.5 x*
Cyrix M II-300	225	75	3 x
IBM 6x86MX-PR300	233	66	3.5 x

(be continued on the next page)

NOTE:

- * This type of CPU was not available for testing at time of printing.
- For most up-to-date information, please visit the FIC web site at <http://www.fic.com.tw>.

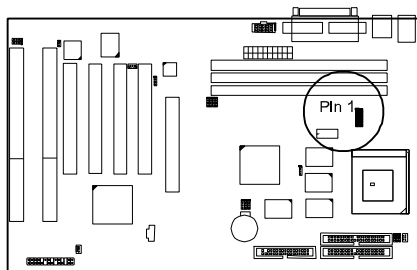
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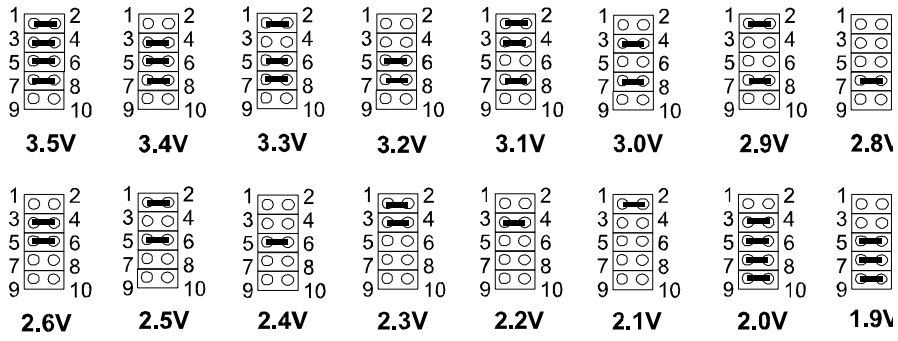
Model	Freq.	Bus Freq.	Ratio
Cyrix/IBM 6x86MX-PR266	208	83	2.5 x
Cyrix/IBM 6x86MX-PR233	166	83	2 x
	188	75	2.5 x
Cyrix/IBM 6x86MX-PR200	166	66	2.5 x
	150	75	2 x
Cyrix/IBM 6x86MX-PR166	133	66	2 x
Cyrix/IBM 6x86L-PR200+	150	75	2 x
Cyrix/IBM 6x86L-PR166+	133	66	2 x
Cyrix/IBM 6x86-PR200+	150	75	2 x
Cyrix/IBM 6x86-PR166+	133	66	2 x
IDT WinChip2-200	200	66	3 x
IDT WinChip-200	200	66	3 x

Set CPU Voltage

This section lists all possible CPU voltages that this board supports. There are two rows of CPU voltage (core voltage) jumper setting in the diagram below.

NOTE: Please refer to your CPU top marking about the actual CPU voltage. (It is core voltage, the IO voltage is 3.3V.)





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