

CPU RELATIVE JUMPER SETTING FOR 586IL REVISION 2X

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JUMPERS DEFINE:

Function	Jumpers
CPU Voltage	JP40, JP39, JP38
CPU Clock Speed	JP4,JP5,JP6,JP10,JP11,JP12
Cache Size	JP13
SDRAM(DIMM) Voltage	JP37
Clear CMOS	JP7
ROM BIOS Type; Voltage; Size	JP2, JP8, JP9
Keyboard Clock	JP14
PS/2 Mouse En/Disabled	JP15
Display Type	JP16
Hardware Reset	JP17
Hardware MPEG	JP21
Power Good	JP1
Power Saving Break Swtich	JP20

CONNECTORS DEFINE:

CN1 : PS/2 Keyboard Connector	CN18: IDE1
CN4 : FDD Connector	CN20: VGA Connector
CN5 : PS/2 Mouse Connector	CN21: IDE2
CN6 : PS/2 Mouse Header Connector(586RL only)	CN24: USB1
	CN25: USB2
CN8 : COM1 or COM3	CN26: VGA Feature Connector
CN9 : Cooling Fan	CN27: Turbo LED/SW
CN12: COM2 or COM4	CN28: Hardware MPEG
CN13: I.R. Connector	CN29: Speaker
CN14: Feature I.R.	JP18: HDD LED
CN16: Printer Port	J1 : Key Lock

Note: Turbo LED/SW for front panels only.

AMD K5 CPU Type/Clock Selector

SYSTEM CLOCK	CPU TYPE	JP4	JP5	JP6	JP10	JP11	JP12
50MHz x 1.5	PR75	CLOSE	CLOSE	CLOSE	OPEN	OPEN	OPEN
60MHz x 1.5	PR90	CLOSE	CLOSE	OPEN	OPEN	OPEN	OPEN
66MHz x 1.5	PR100	CLOSE	OPEN	CLOSE	OPEN	OPEN	OPEN

60MHz x 1.5	PR120	CLOSE	CLOSE	OPEN	OPEN	OPEN	OPEN
66MHz x 1.5	PR133	CLOSE	OPEN	CLOSE	OPEN	OPEN	OPEN
60MHz x 2.5	PR150	CLOSE	CLOSE	OPEN	CLOSE	CLOSE	OPEN
66MHz x 2.5	PR166	CLOSE	OPEN	CLOSE	CLOSE	CLOSE	OPEN

Intel PENTIUM/MMX, AMD K6 CPU Type/Clock Selector

SYSTEM CLOCK	CPU TYPE	JP4	JP5	JP6	JP10	JP11	JP12
50MHz x 1.5	75MHz	CLOSE	CLOSE	CLOSE	OPEN	OPEN	OPEN
60MHz x 1.5	90MHz	CLOSE	CLOSE	OPEN	OPEN	OPEN	CLOSE
66MHz x 1.5	100MHz	CLOSE	OPEN	CLOSE	OPEN	OPEN	OPEN
60MHz x 2.0	120MHz	CLOSE	CLOSE	OPEN	OPEN	CLOSE	CLOSE
66MHz x 2.0	133MHz	CLOSE	OPEN	CLOSE	OPEN	CLOSE	OPEN
60MHz x 2.5	150MHz	CLOSE	CLOSE	OPEN	CLOSE	CLOSE	CLOSE
66MHz x 2.5	166MHz	CLOSE	OPEN	CLOSE	CLOSE	CLOSE	OPEN
60MHz x 3.0	180MHz	CLOSE	CLOSE	OPEN	CLOSE	OPEN	CLOSE
66MHz x 3.0	200Mhz	CLOSE	OPEN	CLOSE	CLOSE	OPEN	OPEN
Note: The following is for mainboard revision 2B only							
66MHz x 3.5	233MHz	CLOSE	OPEN	CLOSE	OPEN	OPEN	OPEN

Cyrix/IBM 6x86 M1/M2 CPU Type/Clock Selector

SYSTEM CLOCK	CPU TYPE	JP4	JP5	JP6	JP10	JP11	JP12
60MHz x 2.0	6x86-P150	CLOSE	CLOSE	OPEN	OPEN	CLOSE	OPEN
66MHz x 2.0	6x86-P166	CLOSE	OPEN	CLOSE	OPEN	CLOSE	OPEN
75MHz x 2.0	6x86-P200	OPEN	CLOSE	OPEN	OPEN	CLOSE	OPEN
66MHz x 2.0	M2-PR166	CLOSE	OPEN	CLOSE	OPEN	CLOSE	OPEN
60MHz x 2.5	M2-PR166	CLOSE	CLOSE	OPEN	CLOSE	CLOSE	OPEN
75MHz x 2.0	M2-PR200	OPEN	CLOSE	OPEN	OPEN	CLOSE	OPEN
66MHz x 2.5	M2-PR200	CLOSE	OPEN	CLOSE	CLOSE	CLOSE	OPEN
Note: The following are available to mainboard revision 2B only							
75MHz x 2.5	M2-PR233	OPEN	CLOSE	OPEN	CLOSE	CLOSE	OPEN
66MHz x 3.0	M2-PR233	CLOSE	OPEN	CLOSE	CLOSE	OPEN	OPEN

CPU Voltage Selector: JP38, JP39 and JP40 for 586IL only

CPU Type	JP40 for 586IL only	Voltag 1(JP39)		Voltage 2(JP38)	
P54C; AMD K5; IBM,Cyrix 6x86P CPU (Single Power)	Close 2-3; 5-6; 8-9	3.3V	1-2; 3-4	X	X
		3.45V	1-2	X	X
		3.5V	Open	X	X

P55C; AMD K6; IBM,Cryix 6x86L-P CPU (Dual Power)	Close 1-2; 4-5; 7-8	3.3V	1-2; 3-4	2.5V	1-2; 3-4
		3.45V	1-2	2.7V	1-2
		3.5V	Open	2.8V	Open

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SDRAM Voltage Selector: JP37

SDRAM TYPE	JP37
+3.3V SDRAM	3-5, 4-6
+5.0V SDRAM	1-3, 2-4

Please make sure the DIMM voltage while using the DIMM module

Power Good Selection: JP1

1-2	Power Supply
2-3	Internal

CMOS Clear: JP7

1-2	Normal
2-3	Clear CMOS

Cache Size Selection: JP13

CLOSE1-2	256K CACHE RAM
CLOSE 2-3	512K CACHE RAM

This jumper is setting by factory

ROM BIOS Type, Size & Voltage: JP8/JP9/JP2

aaa	JP8(Voltage)	JP9(Type)	JP2(Size)
CLOSE 1-2	5V FLASH or EPROM	EPROM	1Mbits
CLOSE 2-3	12V FLASH ROM	FLASH	2Mbits

Hardware MPEG: JP21

CLOSE	ON
OPEN	OFF

Supplement: System Clock Settings

Normal mode of system clock				
JP4	JP5	JP6	Base Freq.	PCI Clcok
CLOSE	CLOSE	CLOSE	50MHz	25MHz
CLOSE	CLOSE	OPEN	60MHz	30MHz
CLOSE	OPEN	CLOSE	66.6MHz	33MHz
Turbo mode of system clock				
JP4	JP5	JP6	Base Freq.	PCI Clcok

OPEN	CLOSE	CLOSE	55MHz	27.5MHz
OPEN	CLOSE	OPEN	75MHz	37.5MHz
OPEN	OPEN	CLOSE	83.3MHz	41.7MHz
OPEN	OPEN	OPEN	68.4MHz	34.2MHz
X times of base frequency				
JP10	JP11	X times of base frequency		
OPEN	OPEN	1.5x of base frequency		
OPEN	CLOSE	2.0x of base frequency		
CLOSE	OPEN	3.0x of base frequency		
CLOSE	CLOSE	2.5x of base frequency		

You are able to use the "Turbo Mode" if "ICS" or "Phaselink" clock generator is used on your mainboard but it depends on your CPU can work or not. If "Turbo Mode" is used but mainboard doesn't work, please set it back to the "Normal".