

# R658N Jumper Setting

## For the **Hardware Jumper** setting :

You need to set the few jumpers for setting the CPU Clock & Ratio. Please refer to the following information.

### CPU Clock Ratio : JP8, JP9, JP10, JP11

CPU Clock Ratio				
Rate	JP8	JP9	JP10	JP11
2X	1-2	1-2	1-2	1-2
2.5X	1-2	1-2	1-2	2-3
3X	1-2	1-2	2-3	1-2
3.5X	1-2	1-2	2-3	2-3
4X	2-3	1-2	1-2	1-2
4.5X	2-3	1-2	1-2	2-3
5X	2-3	1-2	2-3	1-2
5.5X	2-3	1-2	2-3	2-3
6X	1-2	2-3	1-2	1-2

### CPU & Bus Clock Select : JP4

JP4			CPU CLK	AGP CLK	PCI CLK
1-2	3-4	5-6	MHz	MHz	MHz
Short	Short	Open	133.3*	66.6*	33.3*
Short	Open	Short	124*	62*	31*
Short	Short	Short	112*	74.7*	37.3*
Open	Open	Open	100.2	66.8	33.4
Short	Open	Open	95.2	63.5	31.7
Open	Short	Open	83.3	66.6	33.3
Open	Open	Short	75	75	37.5
Open	Short	Short	66.8	66.8	33.4

\* These are for reference only.

### Future Function Jumper: JP7

Function	JP7
Default Setting	1-2 Close

### CMOS Clear Jumper : JP12

Function	JP12
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FUNCTION	SET
Clear CMOS	1-2 Close
Normal Operation	2-3 Close

## For the **Software Jumper** setting :

You can set the CPU Clock & Ratio CMOS Setup Menu. The R658N default is CPU Clock = 66MHz, CPU Ratio = 2. Turn on the system, after a series of diagnostic check, the message "PRESS <DEL> TO ENTER SETUP" will appear. Press the <DEL> key and the main program screen will appear, choose the "**CHIPSET FEATURE SETUP**" and the following screen will appear, there are 3 items can do these function :

1. **CPU Host Clock (CPU/PCI)** : Default, 66/SYM, 75/SYM, 83/SYM, 95/SYM, 100/SYM, 112/SYM, 124/SYM, 133/SYM (Default : Clock setting from Hardware Jumper refer to page 2-3).
2. **CPU Clock Ratio Jumpless** : Disable : Ratio setting from Hardware Jumper.  
Enable : Ratio setting from next item --- "Processor Core Frequency".
3. **Processor Core Frequency** : x2.0, x3.0, x4.0, x5.0, x2.5, x3.5, x4.5, x5.5, x6.0, x7.0, x8.0, x6.5, x7.5, x1.5

Note : If the system will no screen when you choose the wrong CPU Clock or Ratio. So, please turn off the power, then please press and hold the <Insert> key and turn on the power again, the CPU Clock and Ratio will used the hardware Jumper setting to start up the system. Then please go into the CMOS SETUP again to set the right CPU Clock and Ratio.