

# R526 Jumper Setting

CPU Clock Setting : JP25, JP26, JP27, JP30, JP31, JP57

(A) INTEL Pentium CPU

CPU Type	System Clock	JP25	JP26	JP27	JP30	JP31	JP57
75MHz	50MHz	Open	Short	Short	1-2	1-2	1-2
90MHz	60MHz	Open	Short	Open	1-2	1-2	1-2
100MHz	66MHz	Open	Open	Short	1-2	1-2	1-2
120MHz	60MHz	Open	Short	Open	2-3	1-2	1-2
133MHz	66MHz	Open	Open	Short	2-3	1-2	1-2
150MHz	50MHz	Open	Short	Short	1-2	2-3	1-2
150MHz	60MHz	Open	Short	Open	2-3	2-3	1-2
166MHz	66MHz	Open	Open	Short	2-3	2-3	1-2

(B) Cyrix 6x86 CPU

CPU Type	System Clock	JP25	JP26	JP27	JP30	JP31	JP57
80MHz	40MHz	Short	Open	Open	2-3	1-2	2-3
100MHz	50MHz	Short	Short	Short	2-3	1-2	2-3
120MHz	60MHz	Open	Short	Open	2-3	1-2	2-3
Bus Ratio	JP30	JP31					
X 1.5	1-2	1-2					
X 2	2-3	1-2					
X 2.5	2-3	2-3					
X 3	1-2	2-3					

CPU Voltage Selector (3.3 or 3.45) : JP38, JP39, JP40

CPU Type Voltage	JP38	JP39	JP40
Standard and VR (3.3V +/- 5%)	Short	Open	Open
VRE (3.45~3.6)	Open	Short	Open
Reserved	Open	Open	Short

L1 Write-Back / Write-Through Cache Selector : JP33

<b>L1 Cache</b>	<b>JP33</b>
Write-Back (default)	1-2
Write-Through	2-3

Pipeline Selector : JP32

<b>Address Pipelining</b>	<b>JP32</b>
Disable	1-2
Enable (default)	2-3

Level 2 Cache Options : JP5, JP6

<b>Cache Size</b>	<b>Tag RAM Type</b>	<b>SRAM Type</b>	<b>JP5</b>	<b>JP6</b>
256K (SRAM)	8K/16K/32Kx8	32Kx8 (8)	1-2	1-2
256K (B_RAM)	8K/16K/32Kx8	32Kx32 (2)	1-2	1-2
512K (SRAM)	16K/32Kx8	64Kx8 (8)	2-3	1-2
1M (SRAM)	32Kx8	128Kx8 (8)	2-3	2-3

SRAM Mode Selector : JP2, JP3 (Factory Setting only)

Note : 3.3V SRAM consists of 3.3V Power and 3.3V I/O interface.

Mixed SRAM consists of 5V Power and 3.3V I/O interface.

<b>SRAM Mode</b>	<b>JP2</b>	<b>JP3</b>
Mixed SRAM	1-2	1-2
3.3V SRAM	2-3	2-3

Flash EPROM Read / Write Selector : JP55

<b>Program Mode</b>	<b>JP55</b>
Normal Operation (default)	2-3
Programming Enabled	1-2

CMOS Clear Jumper : JP36

<b>Function</b>	<b>JP36</b>
Retain CMOS data (default)	1-2
Clear CMOS data	2-3

PS/2 Mouse Port Selector : JP20, JP21, JP22, JP23, JP24

These Jumper controls the on-board PS/2 Mouse lead connector.

When set to Enable, the port is active and using IRQ12

<b>PS/2 Mouse</b>	<b>JP20, JP21, JP22, JP23, JP24</b>
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Disable	2-3 Short
Enable	1-2 Short (default)

Parallel Port ECP Mode DMA Selector : JP13, JP14

<b>DMA #</b>	<b>JP13, JP14</b>
Using DMA 3 (default)	1-2 Short
Using DMA 1	2-3 Short

Monitor Type Jumper : JP45

<b>Operation mode</b>	<b>JP45</b>
For CGA	Short
For Mono or VGA / EGA	Open

## DRAM Configuration :

1. Mode 1 & Mode 2 : JP4(1-2 Short) --- Half-Populated (32 bit)

DRAM Size	Bank 0		Bank 1		Bank 2	
	SIM 1	SIM 2	SIM 5-8	SIM 9-12	SIM 3	SIM 4
4 MB	4 MB	-	-	-	-	-
4 MB	-	-	4 MB	-	-	-
4 MB	-	-	-	-	-	4 MB
8 MB	8MB	-	-	-	-	-
8 MB	-	-	-	-	-	8 MB
16 MB	16MB	-	-	-	-	-
16 MB	-	-	16 MB	-	-	-
16 MB	-	-	-	-	-	16 MB
32 MB	32MB	-	-	-	-	-
32 MB	-	-	-	-	-	32MB
64 MB	64MB	-	-	-	-	-
64 MB	-	-	-	-	-	64MB

2. Mode 1 & Mode 2 : JP4(1-2 Short) --- Full-Populated (64bit)

DRAM Size	Bank 0		Bank 1		Bank 2	
	SIM 1	SIM 2	SIM 5-8	SIM 9-12	SIM 3	SIM 4
8 MB	4 MB	4 MB	-	-	-	-
8 MB	-	-	4 MB	4 MB	-	-
8 MB	-	-	-	-	-	-

	-	-	-	-	4 MB	4 MB
<b>16 MB</b>	8 MB	8 MB	-	-	-	-
<b>16 MB</b>	-	-	-	-	8 MB	8 MB
<b>16 MB</b>	4 MB	4 MB	4 MB	4 MB	-	-
<b>16 MB</b>	4 MB	4 MB	-	-	4 MB	4 MB
<b>16 MB</b>	-	-	4 MB	4 MB	4 MB	4 MB
<b>24 MB</b>	8 MB	8 MB	4 MB	4 MB	-	-
<b>24 MB</b>	4 MB	4 MB	4 MB	4 MB	4 MB	4 MB
<b>24 MB</b>	8 MB	8 MB	-	-	4 MB	4 MB
<b>24 MB</b>	4 MB	4 MB	-	-	8 MB	8 MB
<b>24 MB</b>	-	-	4 MB	4 MB	8 MB	8 MB
<b>32 MB</b>	16 MB	16 MB	-	-	-	-
<b>32 MB</b>	-	-	16 MB	16 MB	-	-
<b>32 MB</b>	-	-	-	-	16 MB	16 MB
<b>32 MB</b>	8 MB	8 MB	-	-	8 MB	8 MB
<b>40 MB</b>	16 MB	16 MB	4 MB	4 MB	-	-
<b>40 MB</b>	16 MB	16 MB	-	-	4 MB	4 MB
<b>40 MB</b>	4 MB	4 MB	16 MB	16 MB	-	-
<b>40 MB</b>	-	-	16 MB	16 MB	4 MB	4 MB
<b>40 MB</b>	4 MB	4 MB	-	-	16 MB	16 MB
<b>40 MB</b>	-	-	4 MB	4 MB	16 MB	16 MB
<b>40 MB</b>	8 MB	8 MB	4 MB	4 MB	8 MB	8 MB
<b>48 MB</b>	16 MB	16 MB	-	-	8 MB	8 MB
<b>48 MB</b>	8 MB	8 MB	-	-	16 MB	16 MB
<b>48 MB</b>	8 MB	8 MB	16 MB	16 MB	-	-
<b>48 MB</b>	-	-	16 MB	16 MB	8 MB	8 MB
<b>48 MB</b>	4 MB	4 MB	16 MB	16 MB	4 MB	4 MB
<b>56 MB</b>	4 MB	4 MB	16 MB	16 MB	8 MB	8 MB
<b>56 MB</b>	8 MB	8 MB	16 MB	16 MB	4 MB	4 MB
<b>56 MB</b>	8 MB	8 MB	4 MB	4 MB	16 MB	16 MB
<b>56 MB</b>	16 MB	16 MB	4 MB	4 MB	8 MB	8 MB
<b>64 MB</b>	16 MB	16 MB	16 MB	16 MB	-	-
<b>64 MB</b>	16 MB	16 MB	-	-	16 MB	16 MB
<b>64 MB</b>	-	-	16 MB	16 MB	16 MB	16 MB
<b>64 MB</b>	32 MB	32 MB	-	-	-	-
<b>64 MB</b>	-	-	-	-	32 MB	32 MB
<b>64 MB</b>	8 MB	8 MB	16 MB	16 MB	8 MB	8 MB
<b>72 MB</b>	16 MB	16 MB	4 MB	4 MB	16 MB	16 MB
<b>72 MB</b>	4 MB	4 MB	16 MB	16 MB	16 MB	16 MB
<b>72 MB</b>	16 MB	16 MB	16 MB	16 MB	4 MB	4 MB
<b>72 MB</b>	32 MB	32 MB	4 MB	4 MB	-	-
<b>72 MB</b>	-	-	4 MB	4 MB	32 MB	32 MB
<b>80 MB</b>						

	32 MB	32 MB	4 MB	4 MB	4 MB	4 MB
<b>80 MB</b>	4 MB	4 MB	4 MB	4 MB	32 MB	32 MB
<b>80 MB</b>	32 MB	32 MB	-	-	8 MB	8 MB
<b>80 MB</b>	8 MB	8 MB	-	-	32 MB	32 MB
<b>88 MB</b>	8 MB	8 MB	4 MB	4 MB	32 MB	32 MB
<b>88 MB</b>	32 MB	32 MB	4 MB	4 MB	8 MB	8 MB
<b>96 MB</b>	16 MB	16 MB	16 MB	16 MB	16 MB	16 MB
<b>96 MB</b>	32 MB	32 MB	-	-	16 MB	16 MB
<b>96 MB</b>	16 MB	16 MB	-	-	32 MB	32 MB
<b>96 MB</b>	-	-	16 MB	16 MB	32 MB	32 MB
<b>96 MB</b>	32 MB	32 MB	16 MB	16 MB	-	-
<b>104 MB</b>	32 MB	32 MB	4 MB	4 MB	16 MB	16 MB
<b>104 MB</b>	32 MB	32 MB	16 MB	16 MB	4 MB	4 MB
<b>104 MB</b>	16 MB	16 MB	4 MB	4 MB	32 MB	32 MB
<b>104 MB</b>	4 MB	4 MB	16 MB	16 MB	32 MB	32 MB
<b>112 MB</b>	8 MB	8 MB	16 MB	16 MB	32 MB	32 MB
<b>112 MB</b>	32 MB	32 MB	16 MB	16 MB	8 MB	8 MB
<b>128 MB</b>	32 MB	32 MB	16 MB	16 MB	16 MB	16 MB
<b>128 MB</b>	16 MB	16 MB	16 MB	16 MB	32 MB	32 MB
<b>128 MB</b>	64 MB	64 MB	-	-	-	-
<b>128 MB</b>	-	-	-	-	64 MB	64 MB
<b>128 MB</b>	32 MB	32 MB	-	-	32 MB	32 MB
<b>136 MB</b>	32 MB	32 MB	4 MB	4 MB	32 MB	32 MB
<b>136 MB</b>	64 MB	64 MB	4 MB	4 MB	-	-
<b>136 MB</b>	-	-	4 MB	4 MB	64 MB	64 MB
<b>144 MB</b>	4 MB	4 MB	4 MB	4 MB	64 MB	64 MB
<b>144 MB</b>	64 MB	64 MB	4 MB	4 MB	4 MB	4 MB
<b>152 MB</b>	64 MB	64 MB	4 MB	4 MB	8 MB	8 MB
<b>152 MB</b>	8 MB	8 MB	4 MB	4 MB	64 MB	64 MB
<b>DRAM Size</b>	<b>Bank 0</b>		<b>Bank 1</b>		<b>Bank 2</b>	
	<b>SIM 1</b>	<b>SIM 2</b>	<b>SIM 5-8</b>	<b>SIM 9-12</b>	<b>SIM 3</b>	<b>SIM 4</b>
<b>160 MB</b>	16 MB	16 MB	-	-	64 MB	64 MB
<b>160 MB</b>	64 MB	64 MB	-	-	16 MB	16 MB
<b>160 MB</b>	64 MB	64 MB	16 MB	16 MB	-	-
<b>160 MB</b>	-	-	16 MB	16 MB	64 MB	64 MB
<b>168 MB</b>	16 MB	16 MB	4 MB	4 MB	64 MB	64 MB
<b>168 MB</b>	64 MB	64 MB	4 MB	4 MB	16 MB	16 MB
<b>168 MB</b>	64 MB	64 MB	16 MB	16 MB	4 MB	4 MB
<b>168 MB</b>	4 MB	4 MB	16 MB	16 MB	64 MB	64 MB
<b>176 MB</b>	8 MB	8 MB	16 MB	16 MB	64 MB	64 MB
<b>176 MB</b>	64 MB	64 MB	16 MB	16 MB	8 MB	8 MB
<b>192 MB</b>	64 MB	64 MB	-	-	32 MB	32 MB
<b>192 MB</b>						

	32 MB	32 MB	-	-	64 MB	64 MB
<b>192 MB</b>	16 MB	16 MB	16 MB	16 MB	64 MB	64 MB
<b>192 MB</b>	64 MB	64 MB	16 MB	16 MB	16 MB	16 MB
<b>200 MB</b>	64 MB	64 MB	4 MB	4 MB	32 MB	32 MB
<b>200 MB</b>	32 MB	32 MB	4 MB	4 MB	64 MB	64 MB
<b>224 MB</b>	32 MB	32 MB	16 MB	16 MB	64 MB	64 MB
<b>224 MB</b>	64 MB	64 MB	16 MB	16 MB	32 MB	32 MB
<b>256 MB</b>	64 MB	64 MB	-	-	64 MB	64 MB

3 Mode 3 & Mode 4 : JP4(2-3 Short) --- Half-Populated (32 bit)

DRAM Size	Bank 0		Bank 1		Bank 2	
	SIM 1	SIM 2	SIM 5-8	SIM 9-12	SIM 3	SIM 4
<b>4 MB</b>	4 MB	-	-	-	-	-
<b>4 MB</b>	-	-	4 MB	-	-	-
<b>4 MB</b>	-	-	-	-	-	4 MB
<b>8 MB</b>	8MB	-	-	-	-	-
<b>8 MB</b>	-	-	-	-	-	8 MB
<b>16 MB</b>	16MB	-	-	-	-	-
<b>16 MB</b>	-	-	16 MB	-	-	-
<b>16 MB</b>	-	-	-	-	-	16 MB
<b>32 MB</b>	32MB	-	-	-	-	-
<b>32 MB</b>	-	-	-	-	-	32MB
<b>64 MB</b>	64MB	-	-	-	-	-
<b>64 MB</b>	-	-	-	-	-	64MB

4. Mode 3 & Mode 4 : JP4(2-3 Short) --- Full-Populated (64bit)

DRAM Size	Bank 0		Bank 1		Bank 2	
	SIM 1	SIM 2	SIM 5-8	SIM 9-12	SIM 3	SIM 4
<b>8 MB</b>	4 MB	4 MB	-	-	-	-
<b>8 MB</b>	-	-	4 MB	4 MB	-	-
<b>8 MB</b>	4 MB	-	-	4 MB	-	-
<b>8 MB</b>	-	4 MB	4 MB	-	-	-
<b>8 MB</b>	-	-	-	-	4 MB	4 MB
<b>16 MB</b>	8 MB	8 MB	-	-	-	-
<b>16 MB</b>	-	-	-	-	8 MB	8 MB
<b>16 MB</b>	4 MB	4 MB	-	-	4 MB	4 MB
<b>16 MB</b>	-	-	4 MB	4 MB	4 MB	4 MB
<b>16 MB</b>	4 MB	-	-	4 MB	4 MB	4 MB
<b>16 MB</b>	-	4 MB	4 MB	-	4 MB	4 MB
<b>24 MB</b>	8 MB	8 MB	-	-	4 MB	4 MB
<b>24 MB</b>	4 MB	4 MB	-	-	8 MB	8 MB
<b>24 MB</b>						

<b>4 MB</b>	-	-	4 MB	4 MB	8 MB	8 MB
<b>24 MB</b>	4 MB	-	-	4 MB	8 MB	8 MB
<b>24 MB</b>	-	4 MB	4 MB	-	8 MB	8 MB
<b>32 MB</b>	16 MB	16 MB	-	-	-	-
<b>32 MB</b>	-	-	16 MB	16 MB	-	-
<b>32 MB</b>	-	-	-	-	16 MB	16 MB
<b>32 MB</b>	8 MB	8 MB	-	-	8 MB	8 MB
<b>32 MB</b>	16 MB	-	-	16 MB	-	-
<b>32 MB</b>	-	16 MB	16 MB	-	-	-
<b>40 MB</b>	16 MB	16 MB	-	-	4 MB	4 MB
<b>40 MB</b>	4 MB	4 MB	-	-	16 MB	16 MB
<b>40 MB</b>	-	-	4 MB	4 MB	16 MB	16 MB
<b>40 MB</b>	-	-	16 MB	16 MB	4 MB	4 MB
<b>40 MB</b>	4 MB	-	-	4 MB	16 MB	16 MB
<b>40 MB</b>	-	4 MB	4 MB	-	16 MB	16 MB
<b>40 MB</b>	16 MB	-	-	16 MB	4 MB	4 MB
<b>40 MB</b>	-	16 MB	16 MB	-	4 MB	4 MB
<b>48 MB</b>	16 MB	-	-	16 MB	8 MB	8 MB
<b>48 MB</b>	-	16 MB	16 MB	-	8 MB	8 MB
<b>48 MB</b>	16 MB	16 MB	-	-	8 MB	8 MB
<b>48 MB</b>	8 MB	8 MB	-	-	16 MB	16 MB
<b>48 MB</b>	-	-	16 MB	16 MB	8 MB	8 MB
<b>64 MB</b>	16 MB	16 MB	-	-	16 MB	16 MB
<b>64 MB</b>	-	-	16 MB	16 MB	16 MB	16 MB
<b>64 MB</b>	32 MB	32 MB	-	-	-	-
<b>64 MB</b>	-	-	-	-	32 MB	32 MB
<b>64 MB</b>	16 MB	-	-	16 MB	16 MB	16 MB
<b>64 MB</b>	-	16 MB	16 MB	-	16 MB	16 MB
<b>72 MB</b>	32 MB	32 MB	-	-	4 MB	4 MB
<b>72 MB</b>	4 MB	4 MB	-	-	32 MB	32 MB
<b>72 MB</b>	-	-	4 MB	4 MB	32 MB	32 MB
<b>72 MB</b>	4 MB	-	-	4 MB	32 MB	32 MB
<b>72 MB</b>	-	4 MB	4 MB	-	32 MB	32 MB
<b>80 MB</b>	32 MB	32 MB	-	-	8 MB	8 MB
<b>80 MB</b>	8 MB	8 MB	-	-	32 MB	32 MB
<b>96 MB</b>	32 MB	32 MB	-	-	16 MB	16 MB
<b>96 MB</b>	16 MB	16 MB	-	-	32 MB	32 MB
<b>96 MB</b>	-	-	16 MB	16 MB	32 MB	32 MB
<b>96 MB</b>	16 MB	-	-	16 MB	32 MB	32 MB
<b>96 MB</b>	-	16 MB	16 MB	-	32 MB	32 MB
<b>128 MB</b>	64 MB	64 MB	-	-	-	-
<b>DRAM Size</b>	<b>Bank 0</b>		<b>Bank 1</b>		<b>Bank 2</b>	
	<b>SIM 1</b>	<b>SIM 2</b>	<b>SIM 5-8</b>	<b>SIM 9-12</b>	<b>SIM 3</b>	<b>SIM 4</b>

<b>128 MB</b>	-	-	-	-	64 MB	64 MB
<b>136 MB</b>	64 MB	64 MB	-	-	4 MB	4 MB
<b>136 MB</b>	4 MB	4 MB	-	-	64 MB	64 MB
<b>136 MB</b>	-	-	4 MB	4 MB	64 MB	64 MB
<b>160 MB</b>	16 MB	16 MB	-	-	64 MB	64 MB
<b>160 MB</b>	-	-	16 MB	16 MB	64 MB	64 MB
<b>160 MB</b>	64 MB	64 MB	-	-	16 MB	16 MB
<b>192 MB</b>	64 MB	64 MB	-	-	32 MB	32 MB
<b>192 MB</b>	32 MB	32 MB	-	-	64 MB	64 MB
<b>256 MB</b>	64 MB	64 MB	-	-	64 MB	64 MB