

# VXB820DS (PCB 35-8332-00)

## Jumper Settings

### 1. CPU Selection

#### Bus Clock

JP5	JP4	JP3	HCLK	PCLK
1-2	2-3	2-3	50MHz	25MHz
1-2	2-3	1-2	55MHz	25.5MHz
1-2	1-2	2-3	60MHz	30MHz
1-2	1-2	1-2	66MHz	33MHz
2-3	1-2	1-2	75MHz	37.5MHz

#### Bus Ratio

JP1	JP2	Intel	Cyrix	AMD K5
2-3	2-3	2/5	--	--
2-3	1-2	1/3	--	--
1-2	2-3	1/2	1/2	--
1-2	1-2	2/3	1/3	2/3

### CPU TYPE

CPU Type & Speed	Bus Clock	JP5	JP4	JP3	JP1	JP2
Intel Pentium-75	50MHz	1-2	2-3	2-3	1-2	1-2
Intel Pentium-90	60MHz	1-2*	1-2*	2-3*	1-2*	1-2*
Intel Pentium-100	66MHz	1-2	1-2	1-2	1-2	1-2
Intel Pentium-120	60MHz	1-2	1-2	2-3	1-2	2-3
Intel Pentium-133	66MHz	1-2	1-2	1-2	1-2	2-3
Intel Pentium-150	60MHz	1-2	1-2	2-3	2-3	2-3
Intel Pentium-166	66MHz	1-2	1-2	1-2	2-3	2-3
Intel Pentium-180	60MHz	1-2	1-2	2-3	2-3	1-2
Intel Pentium-200	66MHz	1-2	1-2	1-2	2-3	1-2
Intel Pentium-233	66MHz	1-2	1-2	1-2	1-2	1-2
Cyrix 6x86-P120+ 100MHz	50MHz	1-2	2-3	2-3	1-2	2-3
Cyrix 6x86-P133+ 110MHz	55MHz	1-2	2-3	1-2	1-2	2-3
Cyrix 6x86-P150+ 120MHz	60MHz	1-2	1-2	2-3	1-2	2-3
Cyrix 6x86-P166+ 133MHz	66MHz	1-2	1-2	1-2	1-2	2-3
Cyrix 6x86-P200+ 150MHz	50MHz	1-2	2-3	2-3	1-2	1-2
Cyrix 6x86-p200+ 150MHz	75MHz	2-3	1-2	1-2	1-2	2-3
AMD-K5-PR75	50MHz	1-2	2-3	2-3	1-2	1-2
AMD-K5-PR90	60MHz	1-2	1-2	2-3	1-2	1-2
AMD-K5-PR100	66MHz	1-2	1-2	1-2	1-2	1-2
AMD-K5-PR120	60MHz	1-2	1-2	2-3	1-2	1-2
AMD-K5-PR133	66MHz	1-2	1-2	1-2	1-2	1-2
AMD-K5-PR166	66MHz	1-2	1-2	1-2	2-3	2-3
AMD-K5-PR200	66MHz	1-2	1-2	1-2	2-3	1-2
AMD-K6/PR2-166	66MHz	1-2	1-2	1-2	2-3	2-3
AMD-K6/PR2-200	66MHz	1-2	1-2	1-2	2-3	1-2
AMD-K6/PR2-233	66MHz	1-2	1-2	1-2	1-2	1-2

Note : JP6 is reserved , so set JP6 to OPEN.

## 2. CPU Core-Voltage and Bus Power Select

JP11	JP12,JP13 JP14,JP15	Core Voltage	CPU Examples
1-2	1-2	2.7 V	- AMD K5("J" marking)
3-4	1-2	2.8 V	- Intel P55C or Cyrix 6x86L
5-6	1-2	2.9 V	- AMD K5("H" marking) - AMD K6-PR2/166(or 200)
7-8	2-3	3.2 V	- AMD K6/PR2-233
9-10	2-3	3.3 V	- AMD K5("B", "C" or "F" marking)
11-12*	2-3*	3.5 V	- Intel P54C - Cyrix 6x86

## 3. CPU Bus Voltage Select

JP16	Bus Voltage	CPU Examples
1-2*	3.5 V	- Intel P55C - Intel P54C - Cyrix 6x86 - AMD K5 ("B", "C", "F" marking)
2-3	3.3 V	- AMD K5("H", "J" marking) - AMD K6 PR2-166 - AMD K6 PR2-200 - AMD K6 PR2-233 - Cyrix 6x86L

Note: Example of AMD marking: "AMD-K5-PR100ABQ"

The AMD marking refers to the 2nd character - (B in the example) after P-rating.

## 4. DIMM Voltage Select

JP25,JP26,JP27,JP28	DIMM Voltage
1-2*	3.3 V
2-3	5 V

Note : JP25 and JP26 set DIMM1 voltage, JP27 and JP28 set DIMM2 voltage.

## 5. Flash Voltage Select

Flash voltage	JP36
5 V (SST/ATMEL)	1-2
12 V (INTEL / MX)	2-3

## 6. Flash Type Select (write-protection)

Flash type	JP37
SST/ATMEL/MX	1-2
INTEL	2-3

## 7. CMOS Clear

	JP31
Normal operation	2-3*
Clear CMOS	1-2

Note : "\*" means default setting.