

MB520NH

35-8320-02

Jumper Settings

CPU Core-voltage select

	JP5	CPU Examples
2.50V	1-2	AMD K5 ("K" marking)
2.70V	3-4	AMD K5 ("J" marking)
2.80V	5-6	Intel P55C or Cyrix 6x86L
2.93V	7-8	AMD K5 ("H" marking)
3.38V	9-10	AMD K5 ("C" or "F" marking)
3.52V	11-12*	Intel P54C or AMD K5 ("B" marking) or Cyrix 6x86

Note: Cyrix 6x86 is a single-voltage CPU while Cyrix 6x86L is a dual-voltage version.

CPU Bus-voltage select

	JP17	CPU Examples
3.52V	1-2*	Intel P55C
3.38V	2-3	AMD K5 ("H", "J", "K" marking) or Cyrix 6x86L

For Intel P54C, Cyrix 6x86 and AMD K5 ("B", "C", "F" marking), JP17 is NOT used. Simply set JP17 to 1-2.

Power source selection for the CPU Bus section

	J13, J14, J15, J16
Intel P54C	2-3
Intel P55C	1-2
Cyrix 6x86	2-3
Cyrix 6x86L	1-2
AMD K5 ("B", "C", "F" marking)	2-3
AMD K5 ("H", "J", "K" marking)	1-2

Remark:

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

In the above tables, the AMD marking refers to the 2nd character (B in the example) after P-rating (PR100 in the example).

CPU Bus/Core Ratio select

JP2	JP3	Intel	Cyrix 6x86	AMD K5
2-3	2-3	2 to 5	NA	NA
2-3	1-2	1 to 3	NA	NA
1-2	2-3	1 to 2	1 to 2	1 to 2
1-2	1-2	2 to 3	1 to 3	2 to 3

CPU Clock

	JP41	JP42
50MHz	2-3	2-3
55MHz	2-3	1-2
60MHz	1-2	2-3
66MHz	1-2	1-2

Examples

	JP41	JP42	JP2	JP3
Intel Pentium-75	2-3	2-3	1-2	1-2
Intel Pentium-90	1-2	2-3	1-2	1-2
Intel Pentium-100 /233 K6 233	1-2	1-2	1-2	1-2
Intel Pentium-120	1-2	2-3	1-2	2-3
Intel Pentium-133	1-2	1-2	1-2	2-3
Intel Pentium-150	1-2	2-3	2-3	2-3
Intel Pentium-166 K6 166	1-2	1-2	2-3	2-3
Intel Pentium-180	1-2	2-3	2-3	1-2
Intel Pentium-200 K6 200	1-2	1-2	2-3	1-2
Cyrix 6x86-P120+ 100MHz	2-3	2-3	1-2	2-3
Cyrix 6x86-P133+ 110MHz	2-3	1-2	1-2	2-3
Cyrix 6x86-P150+ 120MHz	1-2	2-3	1-2	2-3
Cyrix 6x86-P166+ 133MHz	1-2	1-2	1-2	2-3
Cyrix 6x86-P200+ 150MHz	2-3	2-3	1-2	1-2
AMD-K5-PR75	2-3	2-3	1-2	1-2
AMD-K5-PR90	1-2	2-3	1-2	1-2
AMD-K5-PR100	1-2	1-2	1-2	1-2
AMD-K5-PR120	1-2	2-3	1-2	1-2
AMD-K5-PR133	1-2	1-2	1-2	1-2
AMD-K5-PR150	1-2	2-3	1-2	2-3
AMD-K5-PR166	1-2	1-2	1-2	2-3

CMOS

	JP43
Normal operation	2-3
Clear	1-2

RESERVED JUMPERS (flash)

Reserved jumpers are pre-installed in factory. They should NOT be altered by the users.

Flash voltage Select

	JP10
5V flash (SST/ATMEL)	1-2
12V flash (Intel/MX)	2-3

Flash type Select (write-protection)

	JP9
SST/ATMEL/MX Flash	1-2
Intel Flash	2-3

Examples

		JP9	JP10
SST	29EE010 (1M-bit)	1-2	1-2
Intel	28F001BX-T (1M-bit)	2-3	2-3
MX	28F1000 (1M-bit)	1-2	2-3
ATMEL	AT29C010A (1M-bit)	1-2	1-2
SST	29EE020 (2M-bit)	1-2	1-2
Intel	28F002BC-T (2M-bit)	2-3	2-3