MANUAIS DE MOTHERBOARDS BIOTEQ

MB-8500TTD

JUMPERS SETTING

JP3 CMOS function selection

JP3	assignment
1-2 closed	normal operation
2-3 closed	clear CMOS data
open	onboard battery disabled

Note: please follow the procedure as below to clear BIOS password if your password is lost or forgotten.

power off -> JP3 (2-3) closed -> JP3(1-2) closed -> power on -> reset your desired password

CPU INSTALLATION / JUMPER SETTING

A: JP7,JP8 CPU voltage

CPU type	JP7	JP8	CPU voltage	
			core	I/O
single voltage **INTEL** tm P54/CQS/CT **CYRIX t**m 6x86 **AMD** tm K5	1-2 open 3-4 open 5-6 closed	1-2 closed 3-4 closed 5-6 closed	3.5V	3.5V
dual voltage **INTEL** tm P55/MMX tm **CYRIX** tm 6x86L/6x83MX **AMD** tm K6	1-2 open 3-4 open 5-6 open	1-2 open 3-4 open 5-6 open	2.8V	3.4V
	1-2 closed 3-4 open 5-6 open	1-2 open 3-4 open 5-6 open	2.9V	3.4V
	1-2 open 3-4 closed 5-6 open	1-2 open 3-4 open 5-6 open	3.2V	3.4V

B: JP11,JP9 CPU clock selection

a: INTEL CPU

CPU speed	bus clock& multiplier	JP11 (1-2)	JP11 (3-4)	JP11 (5-6)	JP9 (1-2)	JP9 3-4)
90MHz	60MHz x 1.5	open	closed	closed	open	open
100MHz	66MHz x 1.5	closed	open	closed	open	open
120MHz	60MHz x 2	open	closed	closed	closed	open
133MHz	66MHz x 2	closed	open	closed	closed	open
150MHz	60MHz x 2.5	open	closed	closed	closed	closed
166MHz	66MHz x 2.5	closed	open	closed	closed	closed
200MHz	66MHz x 3	closed	open	closed	open	closed
233MHz	66MHz x 3.5	closed	open	closed	open	open

* JP11(1-2) open & JP11(3-4) closed & JP11(5-6)closed: bus clock = 60MHz
* JP11(1-2) closed & JP11(3-4) open & JP11 (5-6) closed: bus clock = 66MHz
* JP9(1-2) open & JP9(3-4)open : multiplier = 1.5
* JP9(1-2) closed & JP9(3-4) open: multiplier = 2
* JP9(1-2)closed & JP9(3-4) closed: multplier =2.5
* JP9(1-2)open & JP9(3-4) closed: multiplier = 3
* JP9(1-2)open & JP9(3-4) open : multiplier = 3.5

b: CYRIX 6x86 tm / 6x86L tm CPU

CPU speed	bus clock & multiplier	JP11 (1-2)	JP11 (3-4)	JP11 (5-6)	JP9 (1-2)	JP9 (3-4)
PR-133+ 110MHz	55MHz x 2	closed	closed	open	closed	open
PR-150+ 120MHz	60MHz x 2	open	closed	closed	closed	open
PR-166+ 133MHz	66MHz x 2	closed	open	closed	closed	open
PR-200+ 150MHz	75MHz x 2	open	closed	open	closed	open

c: CYRIX 6x86MX tm CPU

CPU speed	bus clock & multiplier	JP11 (1-2)	JP11 (3-4)	JP11 (5-6)	JP9 (1-2)	JP9 (3-4)
PR-150+ - 120MHz	60MHz x 2	open	closed	closed	closed	open
PR-166+ - 133MHz	66MHz x 2	closed	open	closed	closed	open
PR-166+ - 150MHZ	60MHz x 2.5	open	closed	closed	closed	closed
PR-200+ - 150MHz	75MHz x 2	open	closed	open	closed	open
PR-200+ - 166MHz	66MHz x 2.5	closed	open	closed	closed	closed
PR-200+ - 180MHz	60MHz x 3	open	closed	closed	open	closed
PR-233+ - 188MHz	75MHz x 2.5	open	closed	open	closed	closed
PR-233+ - 200MHz	66MHz x 3	closed	open	closed	open	closed
PR-266+ - 233MHz	66MHz x 3.5	closed	open	closed	open	open
PR-266+ - 225MHz	75MHz x 3	open	closed	open	open	closed

d: AMD-K5 tm CPU

CPU speed	JP11(1-2)	JP11(3-4)	JP11(5-6)	JP9(1-2)	JP(1-2)	JP9(3-4)
PR-90	open	closed	closed	open	open	open
PR-100	closed	open	closed	open	open	open
PR-120	open	closed	closed	closed	closed	open
PR-133	closed	open	closed	closed	closed	open
PR-166	closed	open	closed	closed	closed	closed
PR-200	closed	open	closed	open	open	closed

e: AMD-K6 tm CPU

CPU speed	JP11(1-2)	JP11(3-4)	JP11(5-6)	JP9(1-2)	JP9(3-4)
PR2-166	closed	open	closed	closed	closed
PR2-200	closed	open	closed	open	closed
PR2-233	closed	open	closed	open	open

CONNECTORS

A: J15

pin no.	assignment	function	pin no.	assignment	function
1	speaker	speaker connecor	14	+5V	VCC ground

pin no.	assignment		pin no.	assignment	
2	NC		15	ground	VCC ground
3	ground		16	no connection	NC
4	+5V		17	green control	green switch
5	power LED (+)	power LED & keylock	18	ground	green switch
6	no connection	power LED & keylock	19	no connection	NC
7	ground	power LED & keylock	20	HDD LED (-)	HDD LED
8	key lock	power LED & keylock	21	HDD LED (+)	HDD LED
9	ground	power LED & keylock	22	+5V	IrDA connector
10	power switch	ATX power button	23	no connection	IrDA connector
11	standby voltage	ATX power button	24	IRRX	IrDA connector
12	reset control	reset	25	ground	IrDA connector
13	ground	reset	26	IRTX	IrDA connector

B: J2 PS/2 mouse cable connector

pin no.	assignment
1	mouse data
2	no connector
3	ground
4	+5V
5	mouse clock

C: J13 U.S.B. connector

pin no.	assignment	pin no.	assignment
A1	+5V	B5	no connection
A2	port 1 negative data	B4	ground
A3	port 1 positive data	B3	port 2 positive data
A4	ground	B2	port 2 negative data
A5	no connection	B1	+5V

D: J14 CPU cooling fan power connector (optional)

pin no.	assignment
1	ground
2	+12V