

M54Hi Plus System board

- **Processor:**
 - Single ZIF socket for Intel P54C CPUs.
 - Supports Intel processors from 75 Mhz – 200 MHz
 - Supports Cyrix processors 6x86 PR150+ and PR166+ (does not support 6x86L processors)
 - Standard and VRE voltages supported.
- **Expansion:**
 - Three 32-bit PCI slots; Three 16-bit ISA slots; One shared PCI/ISA slot.
- **Chipset:**
 - Intel Triton FX chipset.
 - SMC 665 Super I/O chip.
- **Memory (parity and non-parity):**
 - Four 32/36-bit 72-pin SIMM sockets.
 - Supports 1M x 32/36 (4MB), 2M x 32/36 (8MB), 4M x 32/36 (16MB), and 8M x 32/36 (32MB).
 - Maximum memory is 128MB.
 - Supports EDO memory.
- **Cache:**
 - 16K CPU level 1 write back cache.
 - 0/256/512K Asynchronous level 2 cache.
 - 0/256K Pipelined Burst Synchronous cache.
- **PCI IDE:**
 - Two IDE connectors on-board
 - Both supporting Mode 4 transfer rates.
- **Floppy:**
 - Supports 360K, 1.2, 1.44, 2.88MB floppy drives.
- **Serial / Parallel ports:**
 - Two on-board 16550 compatible serial ports.
 - One on-board parallel port with ECP and EPP support.
- **Sound**
 - 16 bit Sound Blaster™ compatible Vibra 16S/C (Optional)
- **BIOS:**
 - Phoenix 4.05 BIOS on 1MB Flash chip.
- **Keyboard:**
 - Standard AT style DIN keyboard connector.
 - Optional PS/2 style keyboard and mouse connectors.
- **Form factor:**
 - Baby AT footprint (8.5" x 13")

M54Hi Plus - Jumper Settings

CPU speed (Intel Processors):

CPU Speed	75 MHz	90 MHz	100 MHz	120 MHz	133 MHz	150 MHz	166 MHz	200 MHz
Bus Speed	50 MHz	60 MHz	66 MHz	60 MHz	66 MHz	60 MHz	66 MHz	66 MHz
W4	closed	open	closed	open	closed	open	closed	closed
W5	closed	closed	open	closed	open	closed	open	open
W8	1-2	2-3	2-3	2-3	2-3	2-3	2-3	2-3
W2	open	open	open	closed	closed	closed	closed	open
W10	open	open	open	open	open	closed	closed	closed
W14	open	open	closed	closed	closed	closed	closed	closed

NOTE: Must have -03 BIOS or higher to use Intel P200 processor

CPU speed (Cyrrix Processors):

CPU Speed	PR150+	PR166+
Bus Speed	60 MHz	66 MHz
W4	open	closed
W5	closed	open
W8	2-3	2-3

W2	closed	closed
W10	open	open
W14	open	open

NOTE: Must have -02 BIOS or higher to use the Cyrix 6x86 processors

Bus speed:

Function	W4	W5	W8
50 MHz	closed	closed	1-2
60 MHz	open	closed	2-3
66 MHz	closed	open	2-3

CPU speed ratio:

Clock Multiplier	W2	W10
1.5x clock (75 / 90 / 100 MHz)	open	open
2.0x clock (120 / 133 MHz)	closed	open
2.5x clock (150 / 166 MHz)	closed	closed
3.0x clock (200 MHz)	open	closed

CPU VRE setting:

Jumper	Function	Setting
W14	VR 3.300-3.465 Volts (default) VRE 3.400-3.600 Volts	open closed

You should contact Intel if you are not sure what voltage your processor should operate at.

Boot Block Selection:

Jumper	Function	Setting
W6	Normal (default) Reserved	2-3 1-2

BIOS Reset Jumper:

Jumper	Function	Setting
W9	Normal operation (default) Clear CMOS RAM settings	open closed