

M54Hi System board (Élan).

- **Processor:**
 - Single ZIF socket for Intel P54C CPUs.
 - 75, 90, 100, 120, 133 MHz Intel P54 processors supported (150 and 166 Intel processors supported on Rev B boards).
 - 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.
- **BIOS:**
 - Phoenix 4.04 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 Jumper Settings

CPU speed:

CPU Speed	75 MHz	90 MHz	100 MHz	120 MHz	133 MHz	150 MHz	166 MHz
Bus Speed	50 MHz	60 MHz	66 MHz	60 MHz	66 MHz	60 MHz	66 Mhz
W4	closed	open	closed	open	closed	open	closed
W5	closed	closed	open	closed	open	closed	open
W30	1-2	2-3	2-3	2-3	2-3	2-3	2-3
W2	open	open	open	closed	closed	closed	closed
W3	open	open	closed	closed	open	closed	closed
W13	N/A	N/A	N/A	N/A	N/A	closed	closed

NOTE: You must have a Rev B board to use the P150 and P160 processors.

CPU speed ratio:

Jumper	Function	Setting
W2	1.5x clock (75/90/100 MHz) (default) 2.0x clock (120/133/150/166 MHz)	open closed

CPU VRE setting:

Jumper	Function	Setting
W3	VR 3.300-3.465 Volts (default) VRE 3.400-3.600 Volts	open closed

You should contact Intel if you are unsure of what voltage your processor needs to operate at.

Cache type:

Jumper	Pipelined Burst (Synchronous)	Asynchronous
W6	1-2	1-2
W7	1-2	2-3

Cache Size Selection:

	No Cache	256K	512K
W8	1-2	2-3	1-2
W9	1-2	1-2	2-3
W24	open	1-2	2-3

Video Selection:

Jumper	Function	Setting
W16	Color (default) Mono	closed open

PS/2 Mouse Selection:

Jumper	Function	Setting
W17	PS/2 mouse not installed (default) PS/2 mouse installed	open closed

Parallel Port DMA Channel Selection

	None (default)	DMA 1	DMA 3
W18	open	1-2	2-3
W19	open	1-2	2-3

BIOS Operation Selection:

Jumper	Function	Setting
W11	Flash BIOS write-protected (default) Flash BIOS programmable	open closed

Boot Block Selection:

Jumper	Function	Setting
W10	Normal (default) Reserved	2-3 1-2

BIOS Reset Jumper:

Jumper	Function	Setting
W12	Normal operation (default) Clear CMOS RAM settings	open closed