

A jumper is a small, plastic cover that contains metal contacts. Jumpers are placed on small metal pins that protrude from a circuit board, such as the main logic board, an expansion adapter, or a smaller circuit board on a drive.

Jumpers and pins are grouped and labeled as jumper blocks. The main logic board has two-pin and three-pin jumper blocks. Jumpers can be installed, parked, or removed.

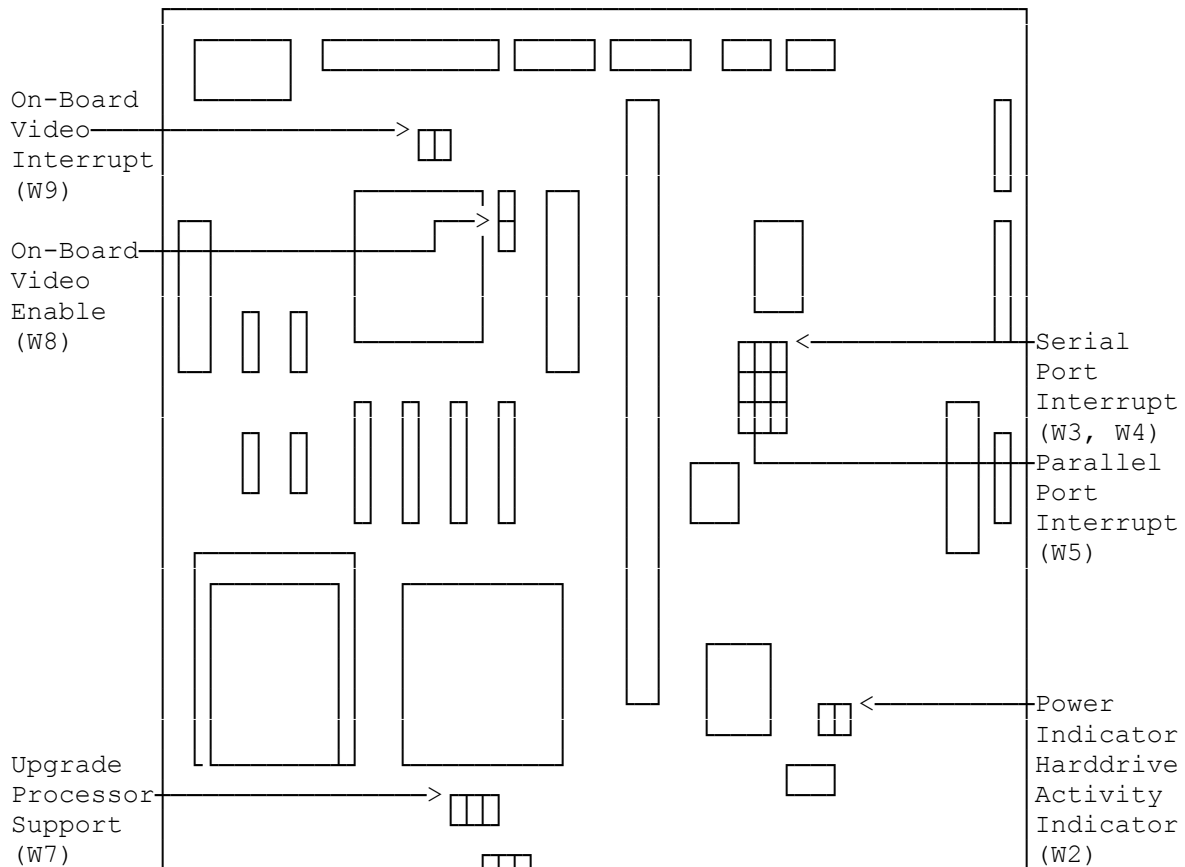
The jumpers on the main logic board are factory set for your computer's base configuration. However, if you install certain hardware options or choose to disable certain system features, you might need to change some jumper settings.

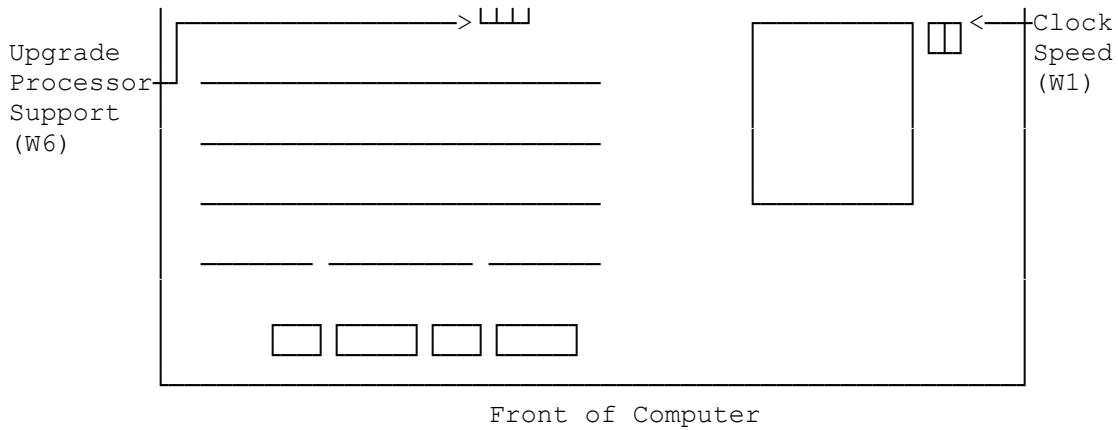
See "Jumper Block Locations" for the locations of the jumper blocks on the main logic board. Refer to "Jumper Settings" for the settings for each jumper.

> Caution: Incorrect jumper settings can cause a malfunction or a decrease in performance.

Jumper Block Locations

The following illustration shows the locations of jumper blocks on the main logic board:





See "Jumper Block Locations" for the jumper blocks on the main logic board. Refer to "Main Logic Board Jumper Setting" for the settings for each jumper.

Caution: Incorrect jumper settings can cause a malfunction or a decrease in performance.

#### Main Logic Board Jumper Settings

The following table shows the settings for jumpers on the main logic board. A hyphen between pin numbers indicates that a jumper should be installed to connect those two pins. For example, "1-2" indicates that the jumper should be installed on Pins 1 and 2. An asterisk (\*) indicates the default (factory) setting.

Note: Before changing the jumper settings for W1 through W5, open the computer and remove the drive tray. See "Opening the Computer."

Function	Jumpers	Settings	Options
Clock Speed(1)	W1	1-2* Parked	25 MHz 33 MHz
Power Indicator/ Hard Drive	W2	1-2  Parked*	Indicator lights when power is on and flashes when hard drive activity occurs Indicator lights only when power is on
Serial Port Interrupts	W3  W4	1-2* 2-3 1-2* 2-3	COM1 or COM3 selected; IRQ4 enabled COM3 selected; IRQ11 enabled COM2 or COM4 selected; IRQ3 enabled COM4 selected; IRQ10 enabled
Parallel Port	W5	1-2*	IRQ7 enabled

Interrupts		2-3 Parked	IRQ5 enabled No Parallel port interrupt
Upgrade Processor Support (1)	W6	1-2*	i486 DX, i486 DX2, i487 SX, and OverDrive supported
(Please see NOTE below)	W7	2-3 1-2 2-3*	i486 SX supported (in performance socket) i486 SX, i486 DX, and i486 DX2 supported i487 SX and OverDrive supported
On-Board Video Enable	W8	1-2 2-3*	Disable on-board video Enable on-board video
On-Board Video Interrupt	W9	1-2 Parked*	Enable on-board video interrupt Disable on-board video interrupt

(1) Model-specific documentation may contain specific information on these jumpers.

Caution: The Clock Speed jumper is set at the factory to match your processor speed. Change the jumper setting only if you have installed an upgrade processor. See "Installing an Upgrade Processor."

NOTE:

\*\*\*Microprocessor Bulletin for PGA Version of main logic board.\*\*\*

The W7 Upgrade Processor Support pin is not required for operation with the PGA version of the i486 SX. The W7 pin has been removed from the main logic board.

Disregard the W6 jumper installation instructions in the computer user's guide. Refer instead to the following W6 Upgrade Processor Support Jumper settings:

Function	Settings	Options
Upgrade Processor Support	2-3*	i486 SX supported (in the performance socket)
	1-2	i486 DX, i486 DX2, i487 SX, and OverDrive supported
Indicates the default setting.		

Install your processor as described in the computer user's guide. Disregard the user's guide instructions for installing the W6 and W7 jumpers. Refer to the following table to reinstall the upgrade processor related jumpers:

To install this processor:	Reinstall the following jumper:
OverDrive processor	Remove the Processor Upgrade Support Jumper (W-6) from Pins 2 and 3; install it on Pins 1 and 2
i487 SX math coprocessor	Remove the Processor Upgrade Support Jumper (W-6) from Pins 2 and 3; install it on Pins 1 and 2
i486 DX	Remove the Processor Upgrade Support Jumper (W-6) from Pins 2 and 3; install it on Pins 1 and 2
i486 DX2	Remove the Processor Upgrade Support Jumper (W-6) from Pins 2 and 3; install it on Pins 1 and 2
33MHz or 66MHz upgrade processor of any type	Park the clock Speed Jumper (W1) on one pin

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