

This section explains how to change the operation of the VGA 1024 NI Adapter by re-installing the jumpers and changing the settings of the DIP switches.

Jumper settings are listed in the following table:

Jumper	Setting	Explanation
W1	Installed*	512KB of video memory installed
	Not Installed	1024KB of video memory installed
W2	Installed*	Generate zero wait state for high performance
	Not Installed	Do not generate zero wait state

* Indicates factory setting.

Switch settings are listed in the following tables:

Switches 1 and 2 (Maximum Resolution 800 x 600)		
Switch 1	Switch 2	Maximum Monitor Frequency
OFF*	OFF*	56 Hz
OFF	ON	60 Hz
ON	OFF	72 Hz
ON	ON	56 Hz (same as OFF, OFF)

* Indicates factory setting.

Switches 3 and 4 (Maximum Resolution 1024 x 768)		
Switch 3	Switch 4	Maximum Monitor Frequency
OFF*	OFF*	Interlaced
ON	OFF	70 Hz
OFF	ON	60 Hz
ON	ON	Interlaced (same as OFF, OFF)

* Indicates factory setting.

Switch 5 (Timing for Standard Modes, 0 to 13)

OFF*	31.5 kHz horizontal scan rate
ON	40 kHz horizontal scan rate

* Indicates factory setting.

Jumper Settings:

Jumper W1 is the video Memory Configuration jumper. It is installed at the factory to indicate that the adapter has 512 KB of video memory. Remove the jumper if you upgrade the adapter to 1 MB of video memory.

Jumper W2 is a zero wait state jumper. It enables the adapter to generate wait state memory write cycles, thus improving performance.

Dip Switch Settings:

Note: Some switches are sensed only when you turn on the computer, so always turn off the computer before changing switch settings.

Set Switches 1 and 2 for the monitor frequency for the 800 x 600 modes. Set Switches 3 and 4 to set the monitor frequency for the 1024 x 768 modes. Set Switch 5 to select the monitor frequency (horizontal frequency rate) for Standard VGA Modes 0 through 13.

Note: Change the switches only if you have a monitor and software that support a different frequency than the one set by default. Refer to your monitor documentation for information.

Board Layout:

