

MYLEX MWS386 MOTHERBOARD

JUMPERS AND SWITCHES:

There is only one switch bank on the MWS386 with 8 switches. These switches should be set as appropriate, based on the following descriptions:

- Switch 1: ON: Mylex 32-bit memory card installed in slot #8 (for systems with more than 8MB only.)
OFF: No 32-bit memory card installed.
- Switch 2: Refer to the table below.
- Switch 3: Refer to the table below.
- Switch 4: ON: 256K DRAMs are used.
OFF: 1024K DRAMs are used.
- Switch 5: ON: On board EGA BIOS will be located at address C000. (active) (AMI BIOS only)

OFF: On board EGA BIOS will be located at address E000. (inactive)
- Switch 6: ON: 80387 not installed.
OFF: 80387 installed.
- Switch 7: ON: System will boot at 8 MHz.
OFF: System will boot at high speed. (16, 20, or 25 MHz)
- Switch 8: ON: BIOS will use color video for default display at POST time.
OFF: BIOS will use monochrome video for default display at POST time.

System Board Memory	Bank 0	Bank 1	SW2	SW3	SW4
1 MB installed	256 KB X 4	Vacant	OFF	ON	ON
2 MB installed	256 KB X 4	256 KB X 4	OFF	OFF	ON
4 MB installed	1024 KB X 4	Vacant	OFF	ON	OFF
8 MB installed	1024 KB X 4	1024 KB X 4	ON	OFF	OFF

System Board 386 CPU Speed	Speed of SIMM chips
16 MHz	120 ns
20 MHz	100 ns
25 MHz	80 ns

Coprocessor installation

An Intel 80387 and/or Weitek 3167 math co-processor may be installed in the PLCC type socket located near the power supply connectors. When installing the 80387, the chip should be seated in the middle of the socket. If installing both the 3187 and the 80387, an optional daughter board which fits into the math coprocessor socket and stands above the board is required. Switch 6 is for the proper operation of the 80387 only. If 3167 is installed and 80387 is not installed then the switch 6 should be set ON.

I /O bus speed

Jumper J25 (5 pin Berg strip) controls the speed of the I/O bus.

Pins jumpered	Bus speed
5-4	1/2 CPU speed (default)
4-3	1/4 CPU speed
3-2	1/4 CPU speed
2-1	1/3 CPU speed

J27 drives the "Turbo" LED. Pin 1 connects to Ground.

The latest version of the BIOS available for this Board is 6.13 (Mylex Custom BIOS). If you have an EEPROM programmer the BIN file is called MWS613.EXE and can be downloaded from our ftp server.

This board is now discontinued.