

Refer to Faxback Document # 2128 for Board Layout.

Video port address range 3B0-3BF Hex for Monochrome  
 Video port address range 3D0-3DF Hex for Color

Switch Settings (default):

EGM-1	1, 4, and 8 Down or Off	2, 3, 5, 6, and 7 Up or On
VM-1	1, 2, 4, and 7 Down or Off	3, 5, 6, and 8 Up or On
CM-1	1, 4, and 7 Down or Off	2, 3, 5, 6, and 8 Up or On
VM-3/5	1, 2, 4, and 8 Down or Off	3, 5, 6, and 7 Up or On
CM-2/4/5/10/11	1, 2, 3, and 8 Down or Off	4, 5, 6, and 7 Up or On

J2 - jump center & right pin (all except EGA monitors); jump center & left  
 J4 - jump center & right pins (all)

Switch Settings:

There is an eight-bit switch box on the Enhanced Graphics Adapter. Switches 1-4 determine the type of displays and display adapters installed in your system. Switches 5 and 6 are non-applicable. Switches 7 and 8 indicate the type of monitor you have attached to your system.

The Enhanced Graphics Adapter has two jumpers, J2 and J4. The jumper settings are determined by what type of monitor you have attached to your system. Locate the switch boxes and jumpers J2 and J4 on the Enhanced Graphics Adapter.

Switches 1-4:

1. To set switches 1-4, determine the following:
  - a) The type on monitor that will be connected to the Enhanced Graphics Adapter (Color, monochrome, Enhanced Color or 400 line 25 Khz).

Note: If you are connecting the Enhanced Graphics Adapter to a 400 line 25 Khz monitor, set switches 1-4 the same as for an Enhanced Color monitor. Except for the Tandy VM-1 monitor.

- b) The number of display screen columns (40 x 25 or 80 x 25).
- c) The type and number of display adapters installed in the system (Enhanced Graphics Adapter only, Enhanced Graphics Adapter with a monochrome adapter or Enhanced Graphics Adapter with a monochrome adapter or Enhanced Graphics Adapter with a color/graphics adapter).

Note: An adapter operating as a Hercules monochrome graphics adapter is incompatible with the Enhanced Graphics Adapter.

This section contains five tables to help you set switches 1-4 on the Enhanced Graphics Adapter. find your system configuration on the following chart and proceed to the appropriate table.

SYSTEM CONFIGURATION	PROCEED TO:
----------------------	-------------

Enhanced Graphics Adapter is the only video board in the system.	Table 1
Enhanced Graphics Adapter is the primary video board with a monochrome adapter as the secondary video board.	Table 2
Enhanced Graphics Adapter is the secondary video board with a monochrome adapter as the primary video board.	Table 3
Enhanced Graphics Adapter is the primary video board with a color graphics adapter as the secondary video board.	Table 4
Enhanced Graphics Adapter is the secondary video board with a color graphics adapter as the primary video board.	Table 5

TABLE 1: Use this table to set switches 1-4 on the Enhanced Graphics Adapter if it is the only video board in your system.

SWITCH POSITION				TYPE OF MONITOR ATTACHED AND MODE SELECTION
1	2	3	4	
OFF	OFF	ON	OFF	Monochrome Monitor
ON	OFF	OFF	ON	Color Monitor (40 x 25)
OFF	OFF	OFF	ON	Color Monitor (80 x 25)
ON	ON	ON	OFF	Enhanced Color Monitor (Normal 8x8 Text)
OFF	ON	ON	OFF	Enhanced Color Monitor (HiRes 8x14 Text)

TABLE 2: Use this table to set switches 1-4 on the Enhanced Graphics Adapter if it is the secondary video board and a monochrome adapter is the primary video board.

SWITCH POSITION				TYPE OF DISPLAY ATTACHED AND MODE SELECTION	
1	2	3	4	EGA	MONO ADAPTER
OFF	ON	ON	ON	None	Monochrome Monitor
ON	ON	ON	ON	Color Monitor (40 x 25)	Monochrome Monitor
OFF	ON	ON	ON	Color Monitor (80 x 25)	Monochrome Monitor
ON	ON	ON	ON	Enhanced Color	Monochrome Monitor

				Color with Normal 8 x 8 Text	
OFF	OFF	ON	ON	Enhanced Color Monitor with HiRes 8 x 14 Text	Monochrome Monitor

TABLE 3: Use this table to set switches 1-4 on the Enhanced Graphics Adapter if it is the secondary video board and a monochrome adapter is the primary video board.

SWITCH POSITION				TYPE OF DISPLAY ATTACHED AND MODE SELECTION	
1	2	3	4	EGA	MONO ADAPTER
OFF	ON	ON	ON	None	Monochrome Monitor
ON	ON	ON	ON	Color Monitor (40 x 25)	Monochrome Monitor
OFF	ON	ON	ON	Color Monitor (80 x 25)	Monochrome Monitor
ON	OFF	ON	ON	Enhanced Color Color with Normal 8 x 8 Text	Monochrome Monitor
OFF	OFF	ON	ON	Enhanced Color Monitor with HiRes 8 x 14 Text	Monochrome Monitor

TABLE 4: Use this table to set switches 1-4 on the Enhanced Graphics Adapter if it is the primary video board with a color/graphics adapter as the secondary video board.

SWITCH POSITION				TYPE OF DISPLAY ATTACHED AND MODE SELECTION	
1	2	3	4	EGA	COLOR/GRAPHICS ADAPTER
ON	OFF	ON	OFF	Monochrome Monitor	Color Monitor (40 x 25)
OFF	OFF	ON	OFF	Monochrome Monitor	Color Monitor (80 x 25)

TABLE 5: Use this table to set switches 1-4 on the Enhanced Graphics Adapter if it is the secondary video board with a color/graphics adapter as the primary video board.

SWITCH POSITION				TYPE OF DISPLAY ATTACHED AND MODE SELECTION	
1	2	3	4	EGA	COLOR/GRAPHICS ADAPTER
ON	ON	OFF	ON	Monochrome Monitor	Color Monitor (40 x 25)
OFF	ON	OFF	ON	Monochrome Monitor	Color Monitor (80 x 25)

Switches 5 and 6:

Note: these Switches ar not used.

Switches 7 AND 8:

If you plan to connect the Enhanced Graphics Adapter to an EGA, CGA or monochrome monitor, set switches 7 and 8 as follows:

Switch 7 = ON  
8 = OFF

If you plan to connect the Enhanced Graphics Adapter to a 400 line 25 Khz monitor, set switches 7 and 8 as follows:

Switch 7 = OFF  
8 = ON

3. The position of the jumpers located at J2 and J4 indicate what type of monitor is connected to the Enhanced Graphics Adapter.

