

Video Boards

Video Display Controller Boards (000031, 000160, and 000345)

J3	J5	Function
2-3	2-3	Enable RGBI and composite video (high-scan) (Desktop default)
1-2	1-2	Disable RGBI and composite video (high-scan) (Portable default)

Video Display Controller Board (000525)

J3/5	Function
2-3	Enable RGBI and composite video (high-scan) (Desktops default)
1-2	Disable RGBI and composite video (high-scan) (Portables default)

Multiproduct Boards

Video Boards (Continued)

Compaq Enhanced Color Graphics Board (000410 and 000471)

SW1 Settings (As the Only/Primary Video Display Controller Board)

1	2	3	4	Monitor Type	Power-On Mode	Mode
OFF	ON	ON	OFF	Compaq Color Compatible Enh Color Compaq Dual-Mode	80 x 25 (640 x 350)	Color
ON	ON	ON	OFF	Compaq Color Compatible Enh Color Compaq Dual-Mode	80 x 25 (640 x 200)	Color
OFF	OFF	OFF	ON	RGBI Color Compaq Dual-Mode	80 x 25 (640 x 200)	Color
ON	OFF	OFF	ON	RGBI Color Compaq Dual-Mode	40 x 25 (320 x 200)	Color
OFF	OFF	ON	OFF	Compaq Dual-Mode	80 x 25 (720 x 350)	Mono

SW1 Settings (As the Secondary Video Display Controller Board)

1	2	3	4	Monitor Type	Power-On Mode	Mode
OFF	OFF	ON	ON	Compaq Color Compatible Enh Color Compaq Dual-Mode	80 x 25 (640 x 350)	Color
ON	OFF	ON	ON	Compaq Color Compatible Enh Color Compaq Dual-Mode	80 x 25 (640 x 200)	Color
OFF	ON	ON	ON	RGBI Color Compaq Dual-Mode	80 x 25 (640 x 200)	Color
ON	ON	ON	ON	RGBI Color Compaq Dual-Mode	40 x 25 (320 x 200)	Color
OFF	ON	OFF	ON	Compaq Dual-Mode	80 x 25 (720 x 350)	Mono

SW2 Settings

1	2	3	4	5	6	Monitor Type
OFF	OFF					Compaq Color, Compatible Enhanced Color (external)
ON	OFF					RGBI Color (external)
OFF	ON					Compaq Dual-Mode (external)
ON	ON					No external (Portables)
		OFF				Compaq Dual-Mode internal (Compaq Portable, Plus, Portable 286, Portable II)
		ON				No internal (Portable III *, Portable 386 *, Desktops)
			ON	OFF	ON	Reserved

* Set system board setting to monochrome mode.

SW3 Settings (000410 only)

If installed, all OFF (Reserved)

Jumper P1 (External Monitor)

Pins	Monitor Type
1 - 2	Compaq Color or Enhanced Color
2 - 3	RGBI Color or Compaq Dual Mode

Jumper JP3

Pins	Address Select
1 - 2	3xxh (default)
2 - 3	2xxh

Multiproduct Boards

Video Boards (Continued)

Minimum System ROM Required for CECGB

Product	Minimum ROM
Compaq Portable II	F
Compaq Portable III	K
Compaq Portable 386	H
Compaq Deskpro 386	E
Compaq Deskpro 386/20	H

CECGB Video ROM Revision (Spare Part Number 106686-001)

ROM	Number on ROM
B	108281-001
C	106633-001
D	106633-002
E	106633-003

Compaq Plasma Display Controller Board (000932)

Jumper	Function	Setting
E1	Reserved	Not installed
E2	Reserved	Installed

Video Graphics Controller Board (000806, 001241, and 109360)

Jumper	Function	Setting
J1 or W1 *	Video RAM	1-2, 16-bit 2-3, 8-bit
J2 or W2 *	Video ROM	2-3, 8-bit 1-2, 16-bit

* Default.

Minimum System ROM Required for VGA

Product	Minimum ROM
Compaq Portable III	K
Compaq Portable 386	H
Compaq Deskpro 386	E
Compaq Deskpro 386/20	H
Compaq Deskpro 386/25	K.2

Multiproduct Boards

Video Boards (Continued)

VGC ROM Locations

000806 Board	001241 and 109360 Boards
U14 EVEN	U11 EVEN
U23 ODD	U12 ODD

VGC ROM Revision (Spare Part Number 109315-001)

Revision	Number on ODD ROM	Number on EVEN ROM
A.0	109327-001	109328-001
A.1	109327-002	109328-002
A.2	109327-003	109328-003
B.0	109793-001	109794-001
B.1	109793-002	109794-002
D.0	109793-003	109794-003

Advanced Graphics 1024 Board (109958)

Jumper W1 Setting	Function
2 - 3 *	Select address space 290h - 29Fh
1 - 2	Select address space 280h - 28Fh

* Default.

QVision 1024/E (001924, 002664, 002930) and QVision 1280/E (002727)

Controllers

SW1 Settings

1	2	Function
ON		Power-up as Secondary Adapter
OFF *		Power-up as Primary Adapter
	ON	Test
	OFF *	Normal

* Default.

QVision 1024/I (002163 and 002948) and QVision 1280/I (002951) Controllers

SW1 Settings

1	2	3	4	5	6	7	8	Function
OFF*								V3 (Virtual ID bit 3)
	OFF*							V2 (Virtual ID bit 2)
		OFF*						V1 (Virtual ID bit 1)
			OFF*					V0 (Virtual ID bit 0)
				OFF*				RAM interface 16 bits
				ON				RAM interface 8 bits
					OFF			ROM interface 16 bits
					ON*			ROM interface 8 bits
						OFF*		32 K ROM
						ON		24 K ROM
							ON	Test
							OFF*	Normal

* Default.

Multiproduct Boards

Video Boards (Continued)

Matrox MGA Millennium (005409, 006443, 223329/oem)

Switch	Settings	Function
SW1*	OFF (default)	BIOS Protected
	ON	BIOS Unprotected
SW2**	OFF (default)	VGA Enabled
	ON	VGA Disabled

*** Switch 1: Flash EPROM Switch for VGA BIOS.** If you need to upgrade your VGA BIOS in the future, reprogram the flash EPROM using a software utility. Set Switch 1 to "ON" to allow reprogramming of the flash EPROM. After reprogramming, set Switch 1 to OFF. You must not leave Switch 1 on during normal usage as the flash EPROM in this state is susceptible to being erased without warning.

**** Switch 2: VGA Enable/Disable Switch.** By default, the VGA of your MGA board is enabled (Switch 2 = OFF) for single screen operation. This means that you must remove or disable your existing VGA if you have one. If the VGA is on the mother board of your PCI system, it should be disabled automatically.

To work in a dual-screen configuration, set Switch 2 to "ON." In this case, you will also be using either a VGA in another slot (or on your system's motherboard), or another MGA board for output to the second monitor.