

Auto-switching

This function is used for automatical setup of display card during boot procedure. In auto-switching mode. (JP4 OFF), this MCGP card will be set to the correct display type according to the main board setting, otherwise a warning message appears on the screen.

Software-switching

This MCGP can switch between different display modes (CGA or Hercules) by DOS MODE command when JP4 is set to OFF.

If you type `d:>MODE mono`

this card will be switched to Monochrome mode.

If you type `d:>MODE co40`

this card will be switch to CGA card, and in 40 by 25 TEXT mode.

If you type `d:>MODE co80`

this card will also be switched to CGA, but 80 by 25 TEXT mode

Auto screen blank

This function is to save the life time of the monitor. If you don't access data after about 8 minutes, this MCGP card will disable the screen and blank automatically. This "Auto screen blank" function can also be disabled by software approach.

GW6310 MCGP CARD

This MCGP card provided one Mono/Color Graphic port and one printer port. It is fully compatible with IBM PC/XT/AT system or compatible machine.

FEATURES:

- Fully compatible with Hercules, MDA and CGA.
- Support both software and hardware switching.
- Support monitor protect on power ON.
- Provide Color Emulation on MDA monitor.
- Provide composite NTSC standard (AV terminal).
- Support Light Pen interface in both Hercules and CGA mode.
- Support Printer port (disable, LPT1, LPT2 and LPT3).
- Auto screen blanking function (8 minutes).
- Support software switching on DOS MODE command.

HARDWARE SETTINGS

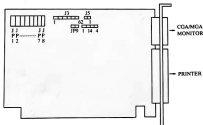
There are 9 hardware switches can be set during the power on sequence. These switches will be latched when RESET pin goes low. The functions of these switches are listed below:

Jumper Name	Description
JP1 JP2	Printer port select. JP1 JP2 ON ON : disable OFF ON : LPT1 (address: &H18C) ON OFF : LPT2 (address: &H18B) OFF OFF : LPT3 (address: &H17E)
JP3 JP4	JP3 JP4 OFF OFF : Auto-switching mode OFF ON : Storage card ON ON : CGA-card
JP5	OFF : Auto-Screen-Blanking mode
JP7	OFF : Color Emulation mode
JP8	This bus controls the type of character font in CGA. ON : 7 by 7 font. OFF : 9 by 9 font.
JP9 JP6	These two jumpers are always ON for the hard type of CG ROM.

Note:

Emulation mode: To run color software, in any mode on monochrome monitor with 16 shades.

CARD DIAGRAM



Note:

- 13 : For Light Pen Connection
- 14 : For RF Modulator
- 15 : For Composite Video