

CL-9028Z

DEVICE DRIVER INSTALLATION

VGA DEVICE DRIVER INSTALLATION

The detail information of the VGA UTILITIES & DRIVERS installation is contained in the UTILITY & DRIVER DISKETTE #1.

1. Insert the UTILITY & DRIVER DISKETTE #1 into drive A.
2. Type "MANUAL" after the A:\> prompt
A:\> MANUAL [Enter]
Then, you will get the detail information of the VGA part of the CL-9028Z.

IDE DEVICE DRIVER INSTALLATION

Type the device command line into the CONFIG.SYS file.

SYNTAX: (Depends on hard disk drive)

DEVICE=CT9000.SYS (DEFAULT)

Note:

Supports 32-bit data transfer and Multiple sector Read/Write.

or

DEVICE=CT9000.SYS/D

Note:

Supports 32-bit data transfer but no multiple sector Read/Write



IDE ADVANCED INFORMATION

The hard disk drive can be classified into the following types.

Type A is compatible to ATA multiple command and really supports multiple sector Read/Write.

Type B is compatible to ATA multiple command but no multiple sector Read/Write.

Type C is not compatible to ATA multiple command.

The following table shows the different results after the driver has been installed

TYPE	DRIVER	RESULT
A	CT9000.SYS	TURBO Performance
	CT9000.SYS /D	Small Enhancement
B		N/A
	CT9000.SYS /D	Small Enhancement
C		N/A
	CT9000.SYS /D	Small Enhancement

So, if you want to get the turbo performance, you should have the hard disk drive which is compatible to ATA multiple command and can really support the multiple sector Read/Write. Please refer to your hard disk drive supplier.

IDE HARD DISK DRIVE SPEED JUMPER JP3 & JP4 SETTING			
MODE	JP3	JP4	CYCLE TIME
MODE 0	2-3	2-3	LOW SPEED DEVICE 600ns(Default)
MODE 1	2-3	1-2	NORMAL SPEED DEVICE 500ns
MODE 2	1-2	2-3	FAST SPEED DEVICE 383ns
MODE 3	1-2	1-2	TURBO SPEED DEVICE 240ns

Important:

Since wrong setting will cause the hard disk drive failed, please refer to your HDD manual or dealer for correct device mode before changing the JP3 & JP4 setting

FEATURES

- VL-Bus VGA**
- Supports maximum 72Hz refresh rate(VESA standard)
- Supports 486DX/SX, 386DX VL-Bus system
- Based 1MB bytes of high speed video display memory, expendable to 2MB
- Build in high performance Windows Accelerator
- 132-column alphanumeric modes on all monitors.
- Supports extended graphics modes
 - 640x480x256/32K/64K/16M colors
 - 800x600x16/256/32K/64K colors
 - 1024x768x16/256/32K/64K colors
 - 1280x1024x16/256 colors

VL-Bus IDE Hard Disk Drive Controller

- Fully VESA VL-Bus compatible
- Supports 32 and 16 bits VL-Bus data transfer
- Supports 386 and 486 VL-Bus motherboard
- Selectable 33/50MHz CPU speed
- Selectable command active and cycle time
- High Performance/Cost effectiveness
- Provides 1~10 times (POWER METER) of data transfer rate than ISA IDE
- Software driver available (32 bits data transfer)

Note:

Do not power down or reset the system while the hard disk drive is active otherwise it will cause damage to the hard disk drive.

JUMPER SETTING

JP1

- Enable/Disable IDE
- 1-2 Disable (default)
- 2-3 Enable

1 The default setting of the VL-Bus IDE hard disk controller on the CL-9028Z is disabled. If you want to use it instead of ISA IDE, you should follow the following steps.

- 1 Power off the system
2. Disable the ISA IDE (refer to manuals of the multi-I/O card or ISA IDE control card)
3. Change the connection of the 40-pin flat cable from the ISA IDE connector to the CL-9028Z IDE connector. That is to connect the 40-pin flat cable between the IDE hard disk drive and CL-9028Z

Important:

Make sure the correct connection, please! The red marked side of the flat cable is always the pin#1.

4. Enable the VL-Bus IDE controller of the CL-9028Z. By shorting the JP1 of CL-9028Z from 1-2 to 2-3.
5. Power on the system.

JP2

- Speed Select
- 1-2 CPU speed <= 33MHz
- 2-3 CPU speed > 33MHz (default)

JP5

- IRQ9 Select
- 1-2 Enable
- 2-3 Disable (default)

JP6

- IOCHRDY Select
- 1-2 Enable
- 2-3 Disable (default)

LAYOUT

