

# **Second Display Installation Guide**

windows-2000



## **Point-of-Sale Hardware System**

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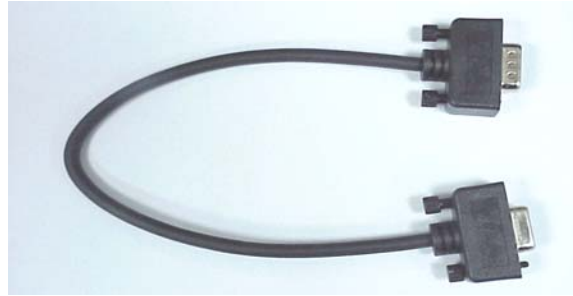
Part No:48201030

July 2003 (V1.0)

## 1. Accessory



VGA Cable



Serial Cable



Warranty Card



Drivers Bank(V1.3 or Above)

The following drivers in the folders of Driver Bank are necessary for driver installation.

Folder	Driver	Function
Common	Acrobat	Acrobat Reader Installation
	BIOS Tool	BIOS Update Tool
	CDROMDrv	CDROM driver installation (for DOS)
	Elo_Touch	Touch screen driver Installation
	LAN_drive	LAN driver installation
	Netmos	Enable COM5/COM6
	Smart Card	Smart Card driver installation
	VGA	SMI712 VGA Card driver installation
B55	Audio	Audio driver Installation
	UDMA	UDMA driver installation
	VGA	VGA driver installation
Test Utility	Card Reader	Card Reader Test Program
	Cash Drawer	Cash Drawer Test Program
	VFD	Customer Display Test Program

## 2. Specification

Model Number		P0750600	P0750500	P0750400
LCD Display	Size	12.1"	10.4"	8.4"
	Resolution	800 x 600	800 x 600	800 x 600
	Brightness	180 cd/m <sup>2</sup>	150 cd/m <sup>2</sup>	150 cd/m <sup>2</sup>
	View Area	246 x 185mm	211 x 158mm	170 x 128mm
	Color	6 bit x 3 RGB (262,144)		
Touch Screen(Optional)	5-wire resistive touch screen			
Interface Signal	D-SUB 15 pin female Analog RGB, Scan frequency V:60~75Hz, 800 x 600, 640 x 480			
OSD Control Button	Power, Menu, Up, Down & Enter			
Power Status LED	Two-tone LED, green for active status and orange for suspend			
DC Power Input	+12V/2A supply from VGA Connector D-SUB 15 pin 4 &11			
Pole Height	137 or 167 mm for POS500 155 or 185 mm for POS600			
Tilt Angle	0 ~ 40 degree			
Spill Proof	Screen and Bezel			
Operation Temperature	0 ~ 40			
Operation Humidity	8% ~ 90%, non-condensing			
Storage Temperature	-20 ~ 60			
Storage Humidity	5% ~ 95%, non-condensing			
Back-Light Life	20,000 hours			
System MTBF	40,000 hours			
Safety and EMI	CE			
	FCC(This device complies with part 15 of the FCC rules. Operation is subject to the following two condition: (1)This device may not cause harmful interference and (2) This device must accept any interference received, including interference that may cause undesired operation. )			
Accessory	D-SUB 15-pin female-to-male VGA cable of 300mm long			

## 2.1 I/O Connection

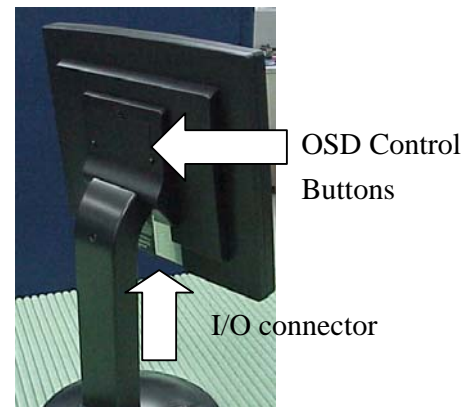
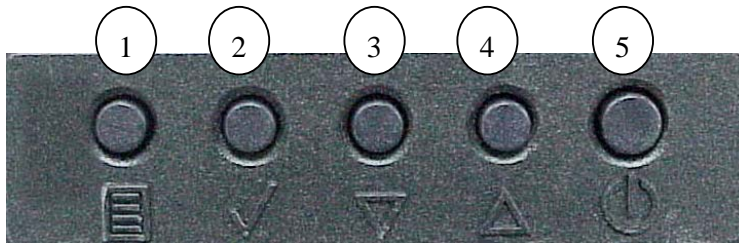
These I/O connectors are located at the junction of the Display panel and supporter.



#	Function	Description
1	COM	For Touch Screen connection (reserved for future models).
2	VGA	For Display interface connection, support +12V/2A DC from pin 4& 11, when mount with POS system.
3	DC Input	For power Input connection (reserved for the Display stands alone use).

## 2.2 OSD Control Buttons

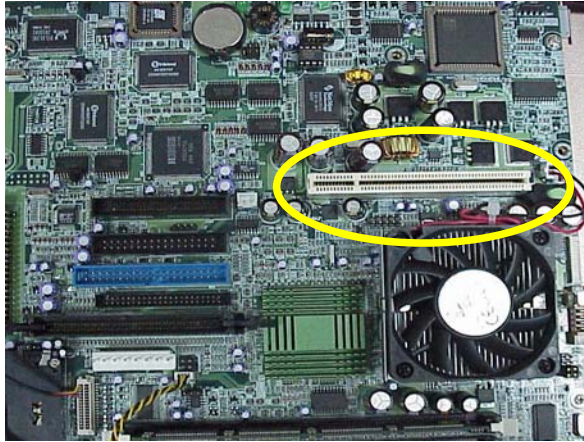
Control buttons of hidden OSD are located at the back of the second display. The cover is to avoid customer changing the display setting.



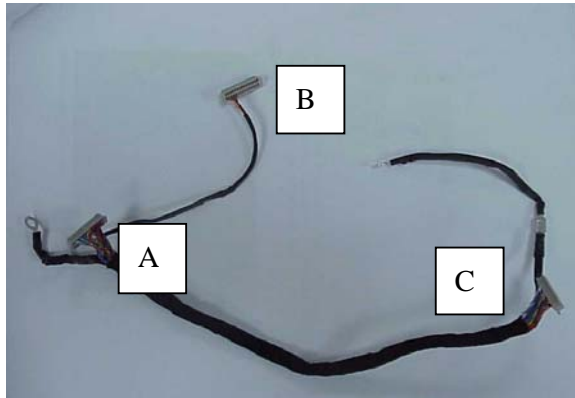
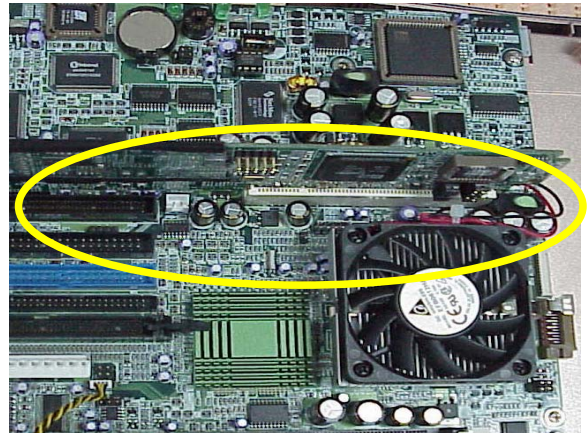
#	Function	Description
1	Menu	Starts the On-Screen-Display.
2	Enter	Marks the item you select.
3	Down	Moves the selection downwards
4	Up	Moves the selection upwards.
5	Power	Turns the power of the Second Display on or off.



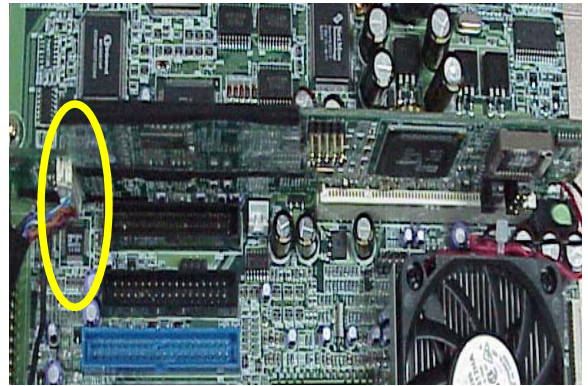
### 3. 2<sup>nd</sup> display VGA Card Installation



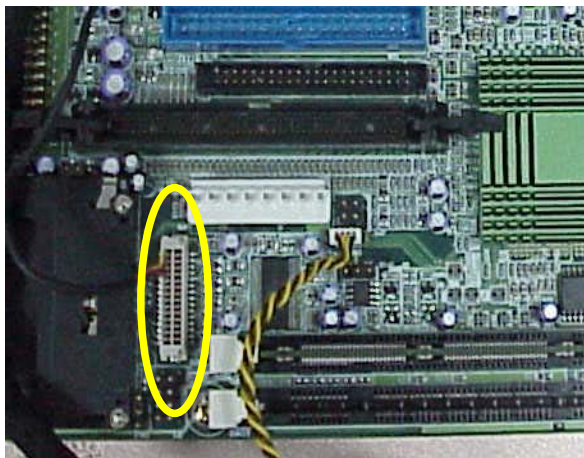
a. Install 2<sup>nd</sup> display VGA card to B55 motherboard PCI slot



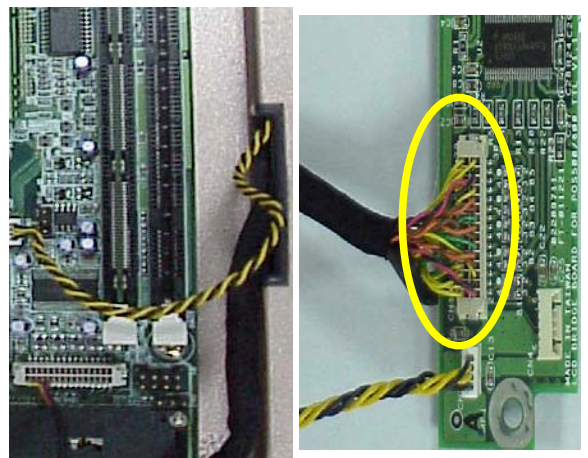
b. Take the LCD VGA cable



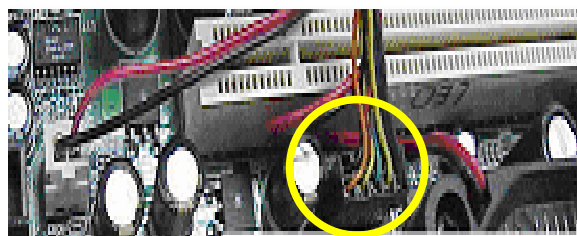
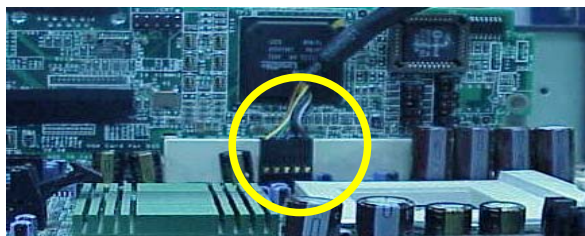
c. Cable of 23 pin(A) connected to 2<sup>nd</sup> display VGA card



d. Cable of 5 pin(B) connected to B55 motherboard.

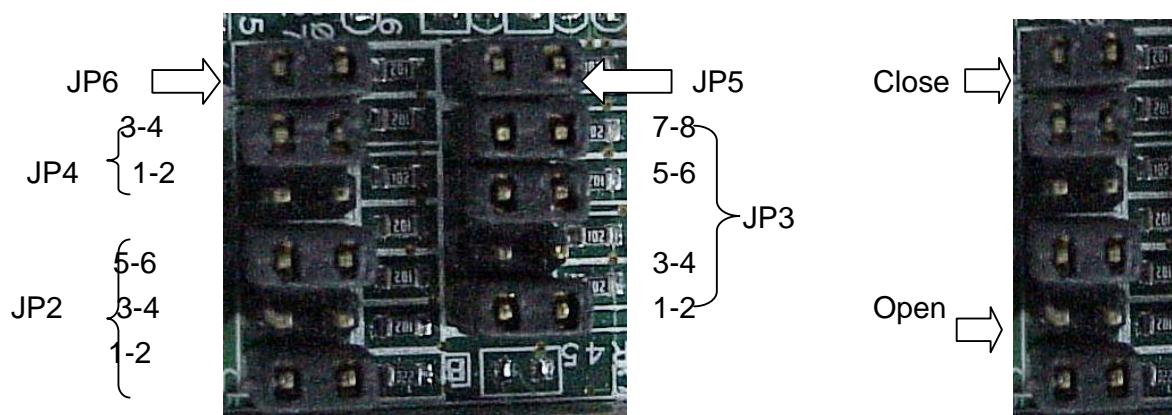


e. Cable of 28 pin(C) across the case of panel connected to LCD Bridge board.



f. Second display VGA cable connected to B55 motherboard JP9.

### 3.1 2<sup>nd</sup> display VGA card Jumper Setting



JP6 LCD type Close =TFT Open =STN	JP4 Display Size Pin            1-2    3-4 640*480      Close   Close 800*600      Open    Close 1024*768     Close   Open	JP2 TFT Interface Type Pin            1-2    3-4    5-6 Per 9 Bit      Close   Close   Close Per 12 Bit     Open   Close   Close Per 18 Per 24   Close   Open   Close 2Pix 24 Bit    Open   Open   Close 2Pix 24 Bit    Close   Close   Open 2Pix 36 Bit    Close   Open   Open Analog TFT    Open   Close   Open
JP5 VGA Bios ROM Close =On PCI Card Open =On System Bd	JP3 LCD Panel Display Set Pin            1-2    3-4    5-6    7-8    No Panel ID 640*480 TFT    Close   Close   Close   Close   assign= All 600*480 DSTN   Open   Close   Close   Close   open 800*600 TFT    Close   Open   Close   Close 800*600 DSTN   Open   Open   Close   Close 1024*768 TFT    Close   Close   Open   Close 1024*768 DSTN   Open   Close   Open   Close	



#### Default jumper setting(POS 500)

JP6 LCD type	JP4 Display Size				JP2 TFT Interface Type			
Close	Pin	1-2	3-4		Pin	1-2	3-4	5-6
		Open	Close			Close	Open	Close
JP5 VGA Bios ROM	JP3 LCD Panel Display Set							
Close	Pin	1-2	3-4	5-6	7-8			
		Close	Open	Close	Close			

#### 4. Install the Second Display (on POS600)



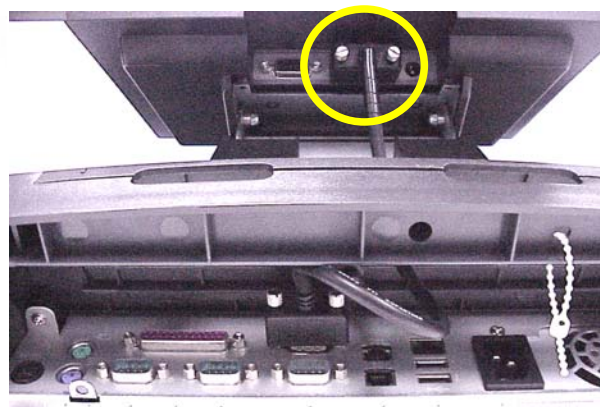
a. Get the VGA cable through the supporter of the second display.



b. Insert the male head of the VGA cable into the VGA port.



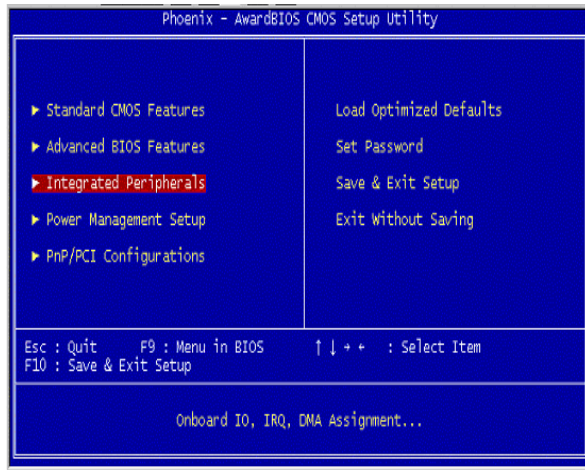
c. Mount the second display on the rear of the system and tighten the three screws on the supporter (The third one is behind the supporting pole).



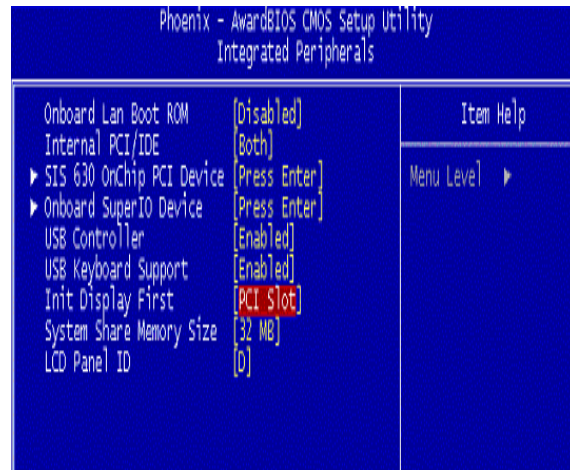
d. Insert the other end of the VGA cable (female) into the VGA port of the system to establish the connection.

## 5. Driver Installation

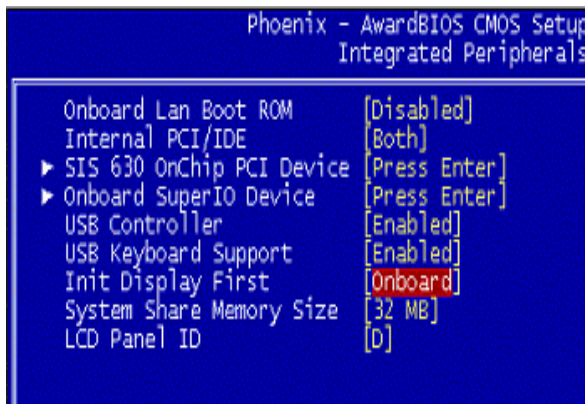
### 5.1 VGA



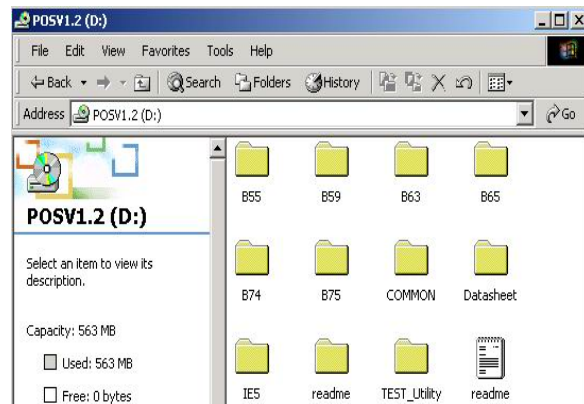
a. Enter "Integrated Peripherals" of the Main Menu of BIOS CMOS Setup Utility.



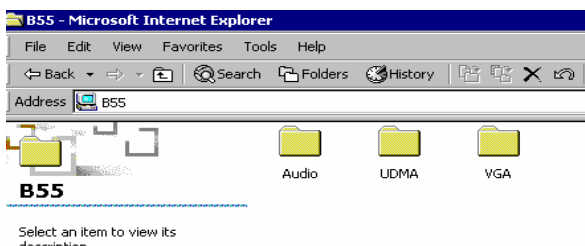
b. Move the arrow key downward to the "Init Display First" item.



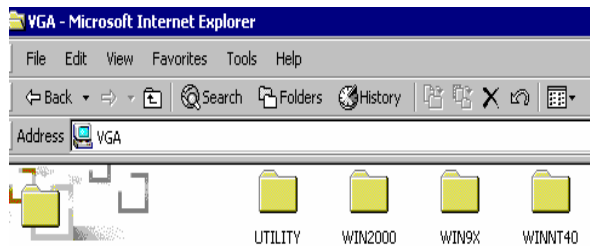
c. Use "Page Up" or "Page Down" key change to "Onboard". Make sure you save the changes by pressing F10 key or moving to "Save & Exit Setup."



d. Click "B55" on the POS driver window.

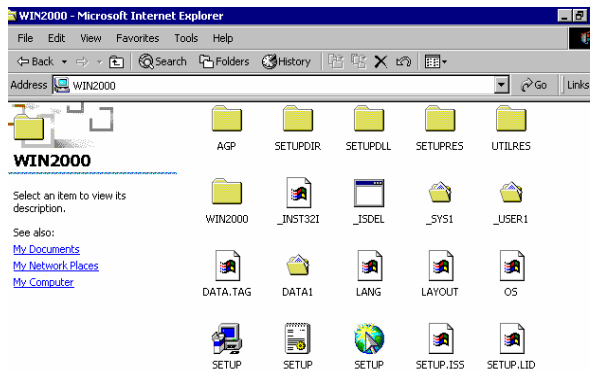


e. Click "VGA" on the B55 window.



f. Click "Win2000" on the VGA window.

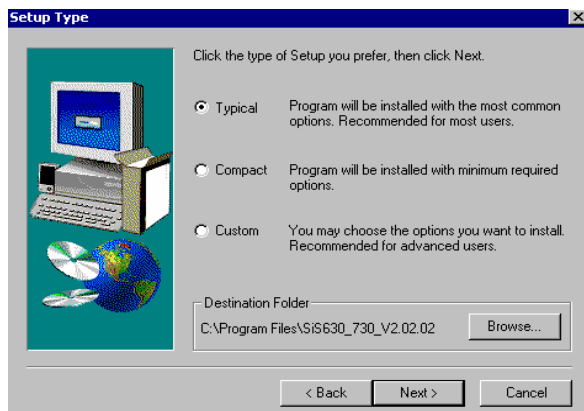




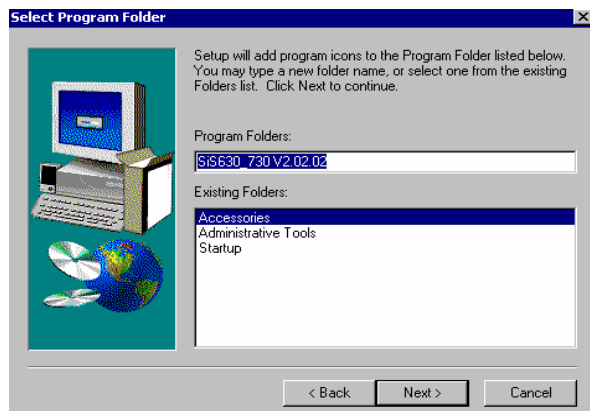
g. Click "SETUP" on the VGA2000 window.



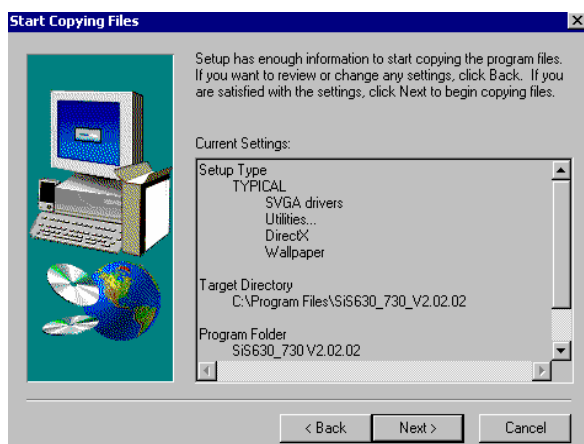
h. Click "Next" on the Welcome window.



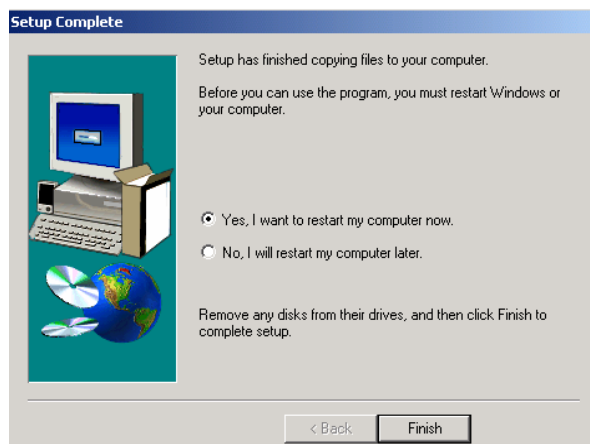
i. Click "Next" on the Setup Type window.



j. Click "Next" on the Select Program Folder window..

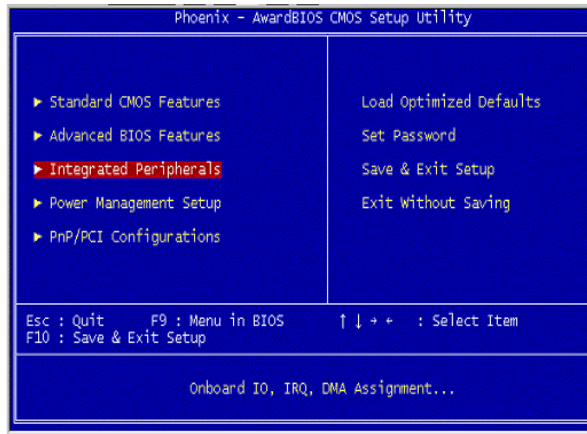


k. Click "Next" on the Select Copying Files window.

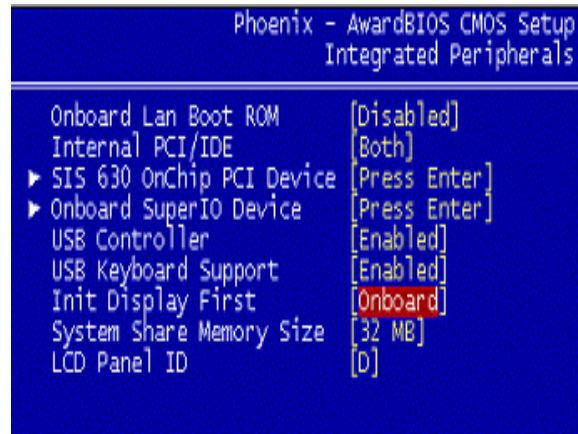


l. Click "Finish" on the Setup Complete window.

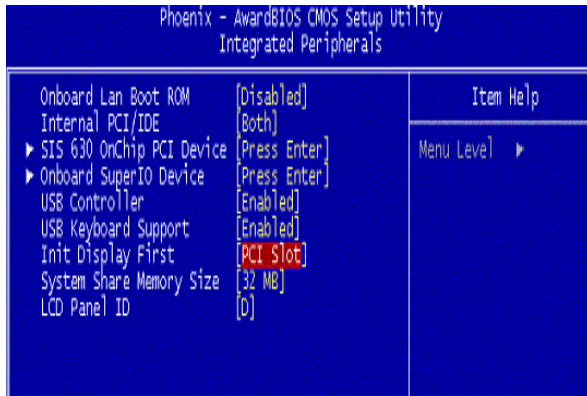
## 5.2 2<sup>nd</sup> display VGA



a. Enter "Integrated Peripherals" of the Main Menu of BIOS CMOS Setup Utility.



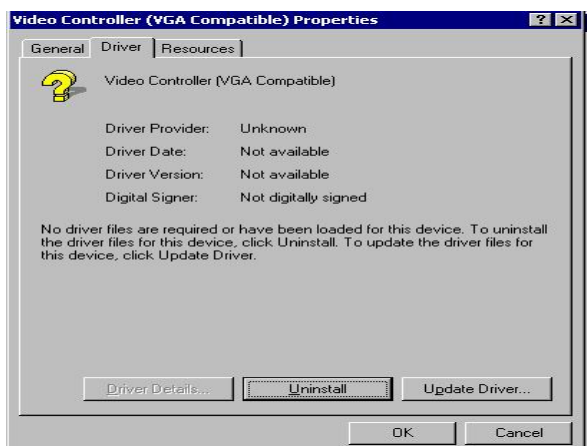
b. Move the arrow key downward to the "Init Display First" item.



c. Use "Page Up" or "Page Down" key change to "PCI Slot". Make sure you save the changes by pressing F10 key or moving to "Save & Exit Setup."



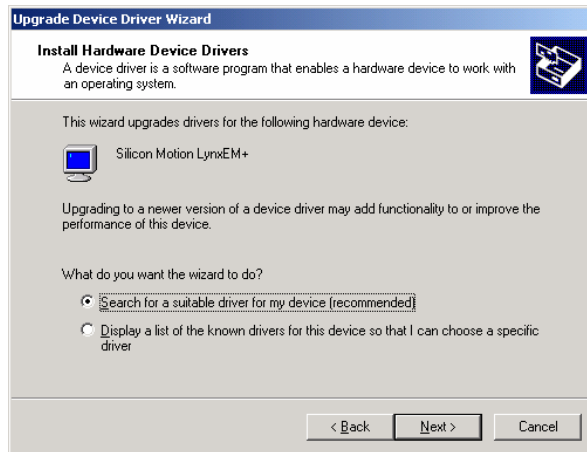
d. Click "Video Controller" on the Device Manager.



e. Click "Update Driver" on the Driver.



f. Click "Next" on the Welcome window..



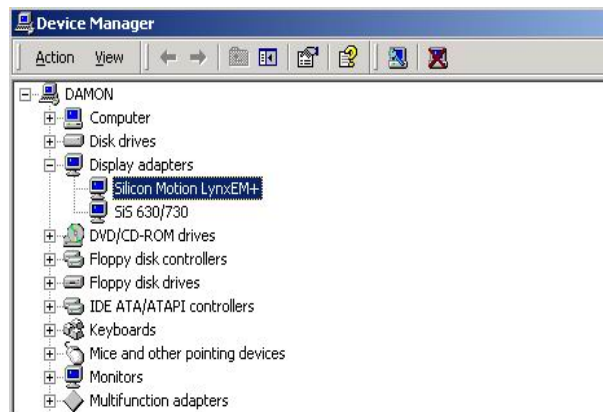
g. Click "Next" on the Upgrade window.



h. Click "Browse" on the Upgrade window.



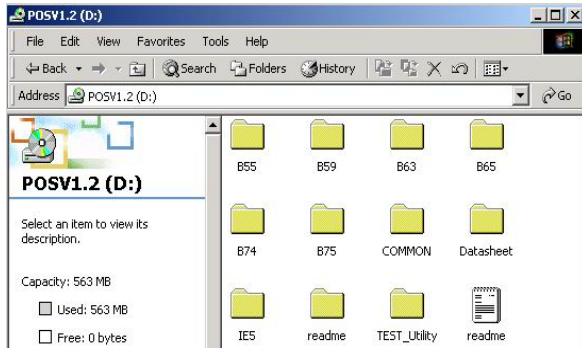
i. Click "Finish" on the Upgrade Complete window.



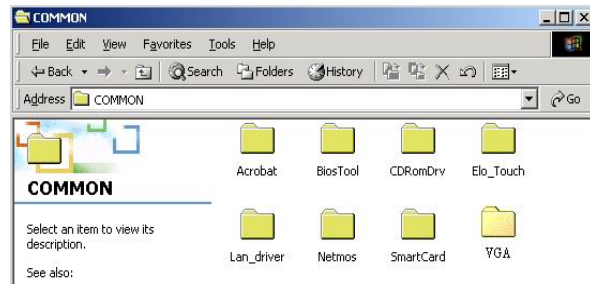
j. Now the 2<sup>nd</sup> display VGA driver is installed.



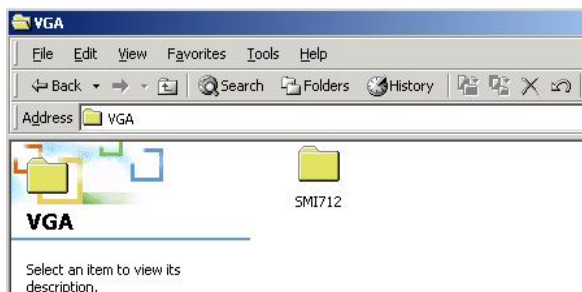
### 5.3 2<sup>nd</sup> display VGA control panel (Optional)



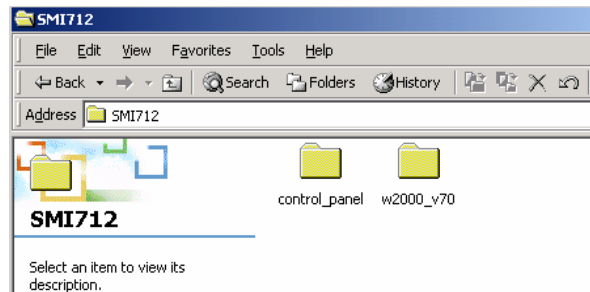
a. Click "COMMON" on the POS driver window



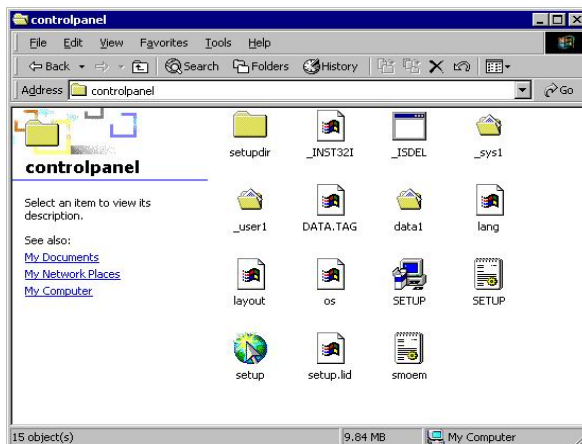
b. Click "VGA" on the common window..



c. Click "SMI712" on the VGA window.



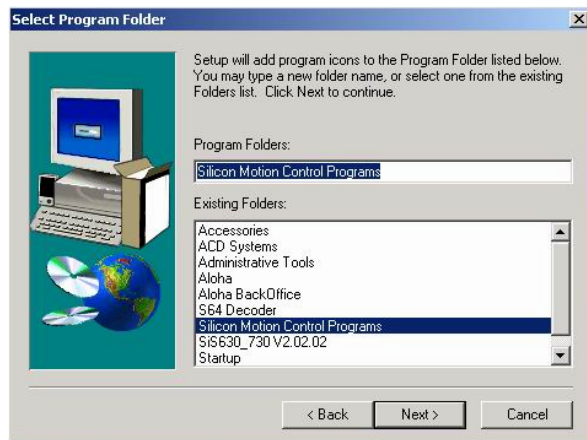
d. Click "control\_panel" on the SMI712 window..



e. Click "Setup" on the control\_panel window.



f. Click "Next" on the welcome window..

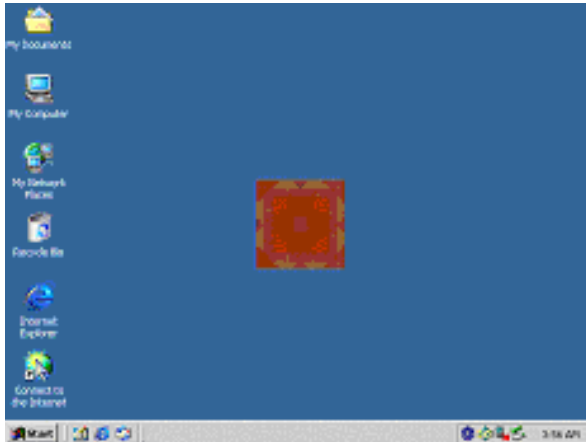


g. Click "Next" on the Select window.

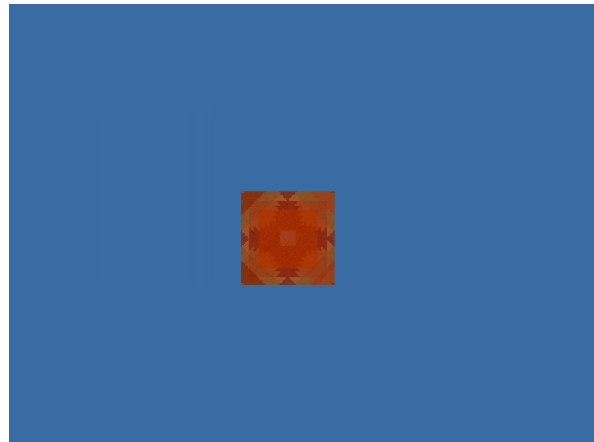


h. Click "Finish" on the Setup Complete window..

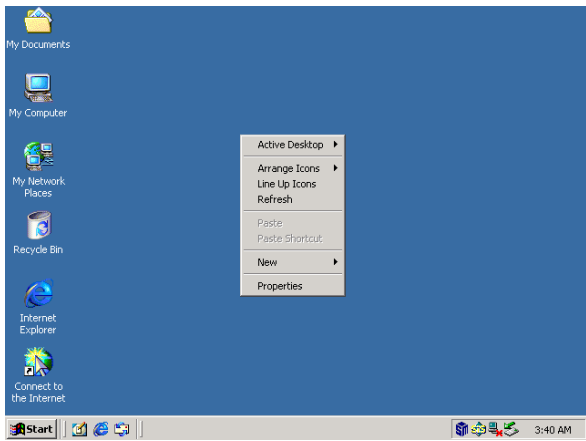
### 5.3.1 Change the Primary Monitor



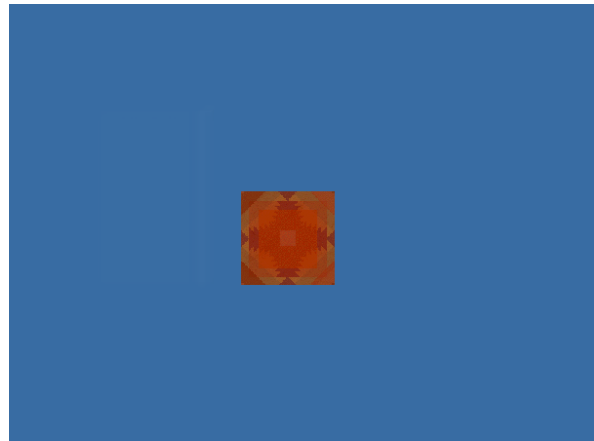
1-a. The default primary monitor on 2<sup>nd</sup> display VGA card. Identify is 1.



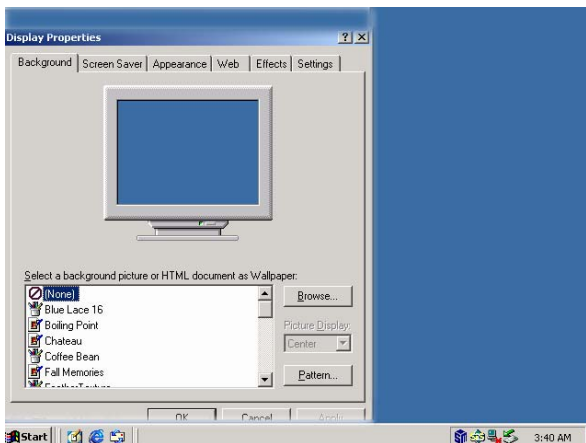
2-a. The default second monitor on SiS630 Identify is 2.



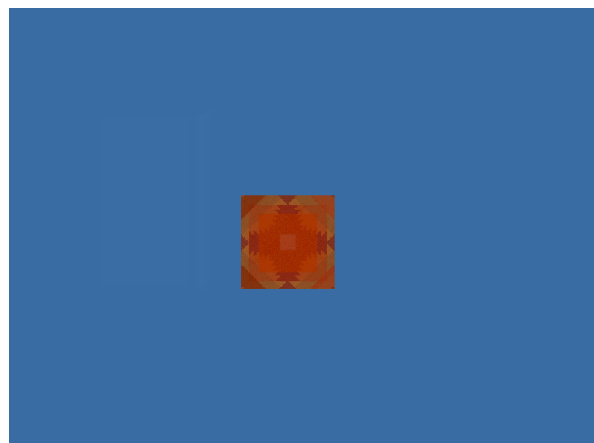
1-b. Right click of the mouse on the desktop and choose the "Properties" item.



2-b. The monitor on SiS630

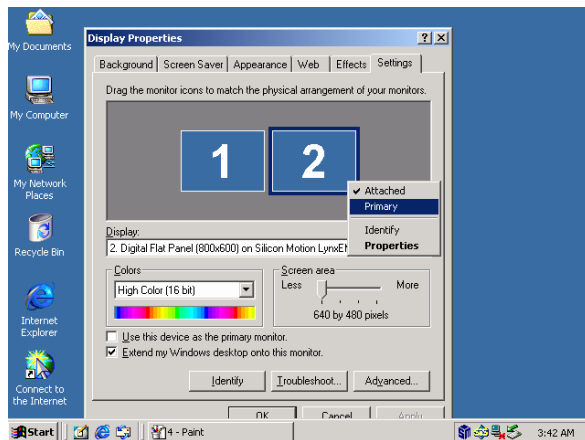


1-c. Click the "Setting" button on the Display Properties window

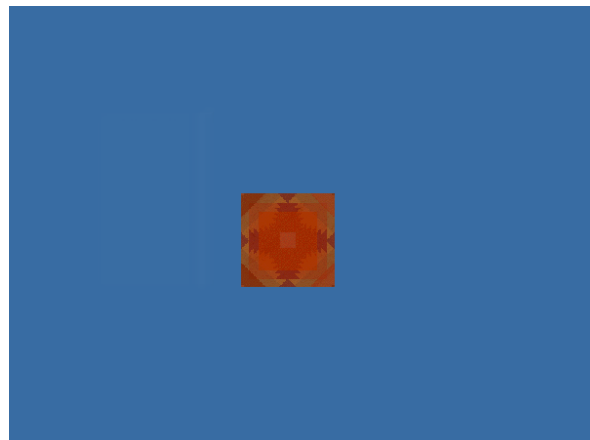


2-c. The monitor on SiS630

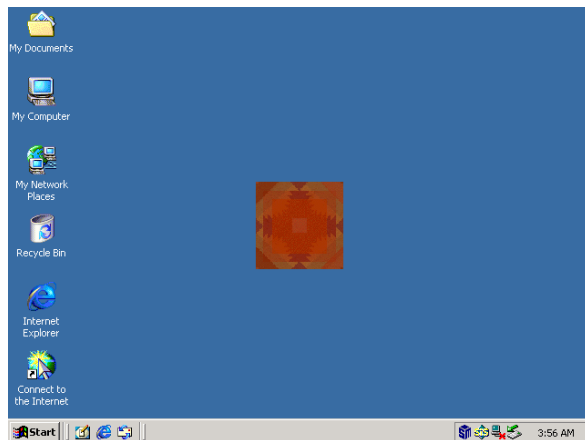




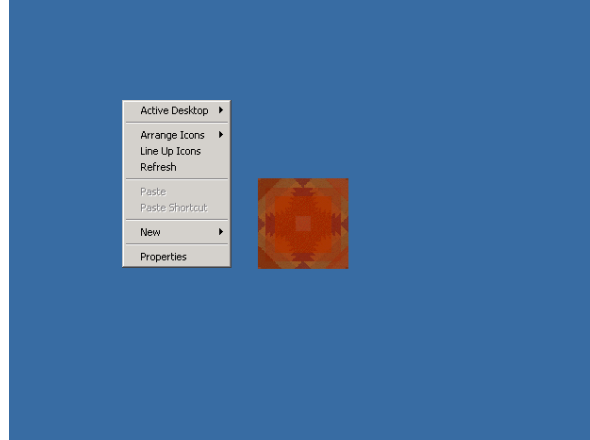
1-d. Choose identify 2 and right click to set "Primary " then click "OK" button



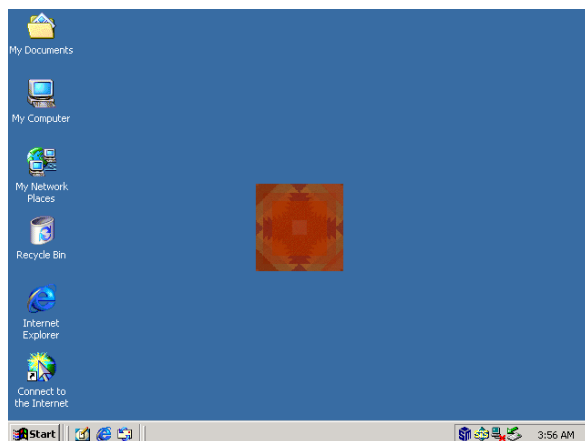
2-d..The monitor on SiS630



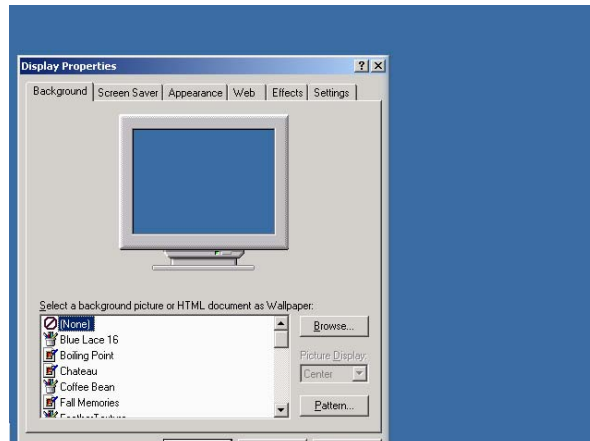
1-e..The monitor on 2<sup>nd</sup> display VGA card .



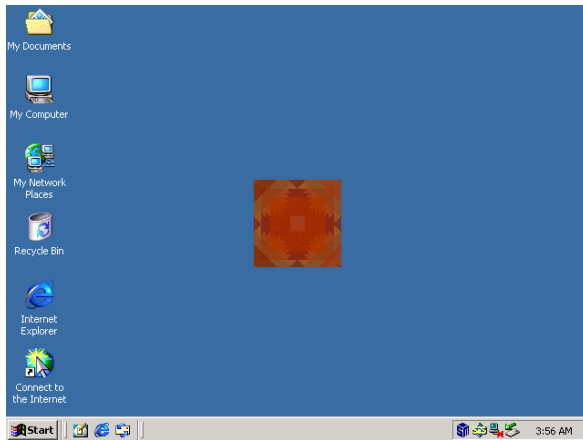
2-e. Right click of the mouse on the desktop and choose the "Properties" item.



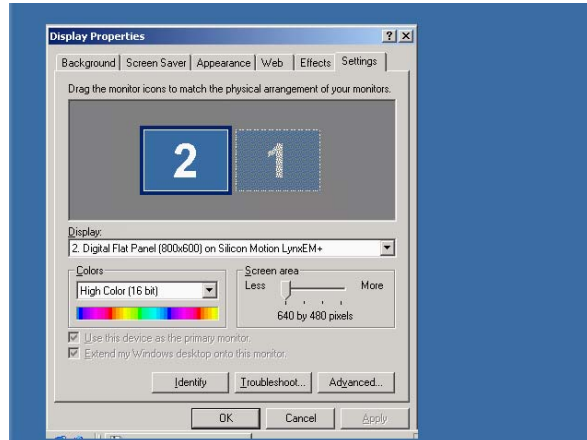
1-f. The monitor on 2<sup>nd</sup> display VGA card.



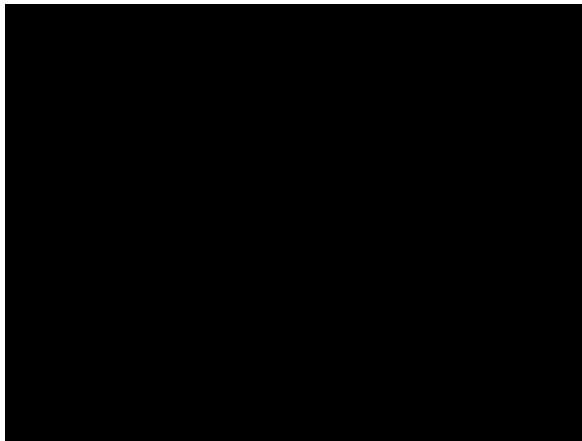
2-f. Click the "Setting" button on the Display Properties window



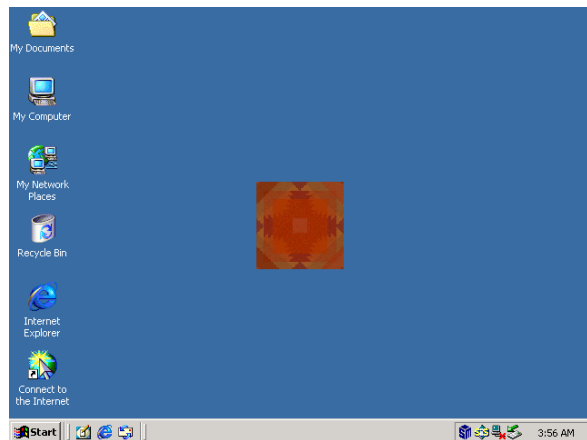
1-g. The monitor on 2<sup>nd</sup> display VGA card.



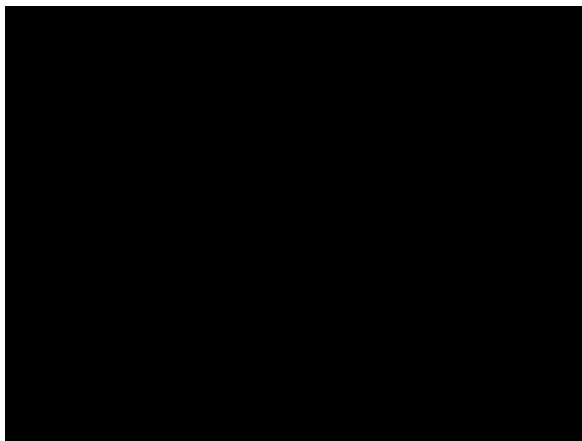
2-g. Choose identify 1 and disable "Extend Windows.." then click "OK" button



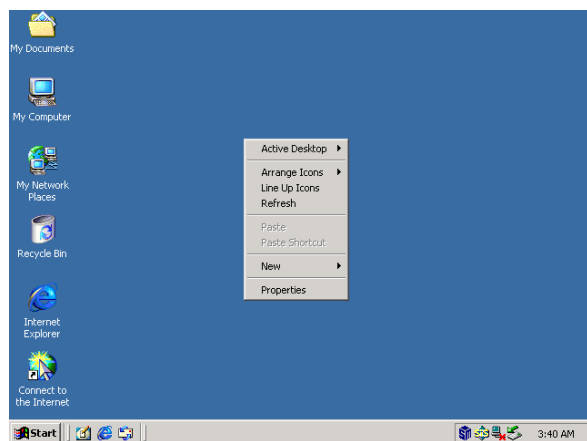
1-h..The monitor on 2<sup>nd</sup> display VGA card.



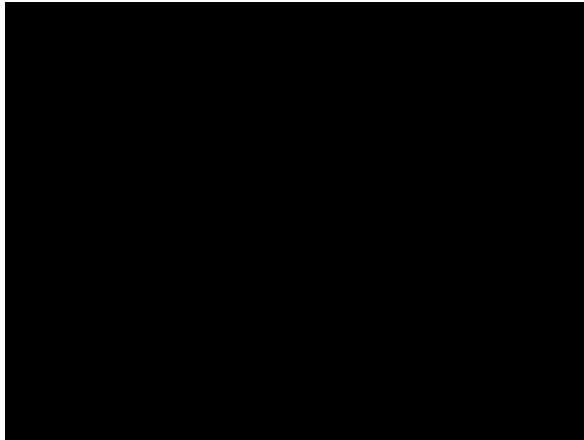
2-h. The monitor on SiS630.



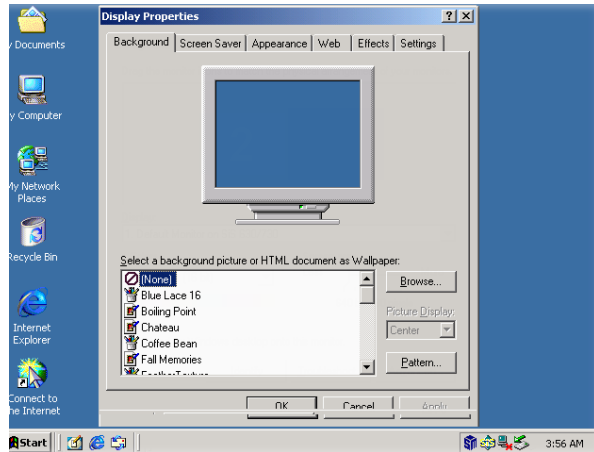
1-i. The monitor on 2<sup>nd</sup> display VGA card



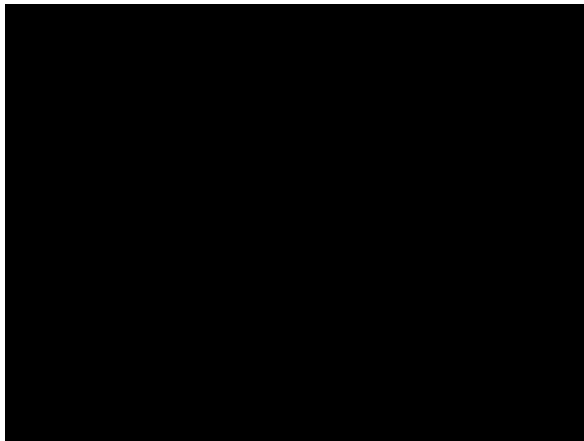
2-i. Right click of the mouse on the desktop and choose the "Properties" item.



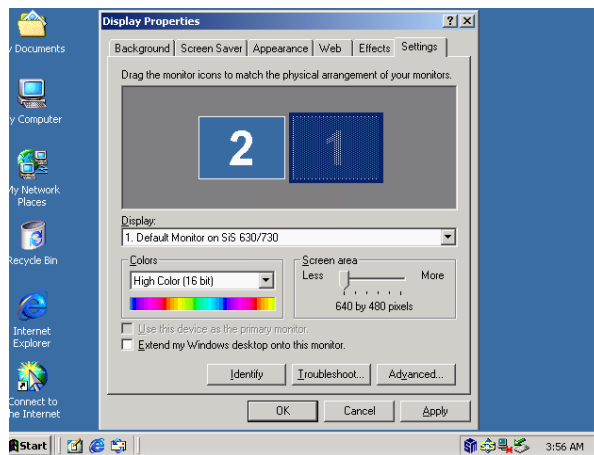
1-j. The monitor on 2<sup>nd</sup> display VGA card.



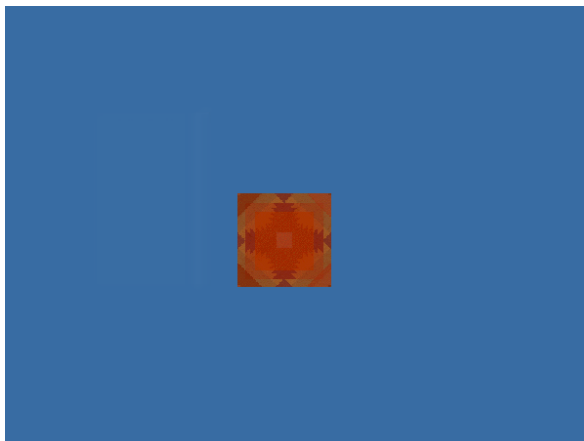
2-j. Click the "Setting" button on the Display Properties window



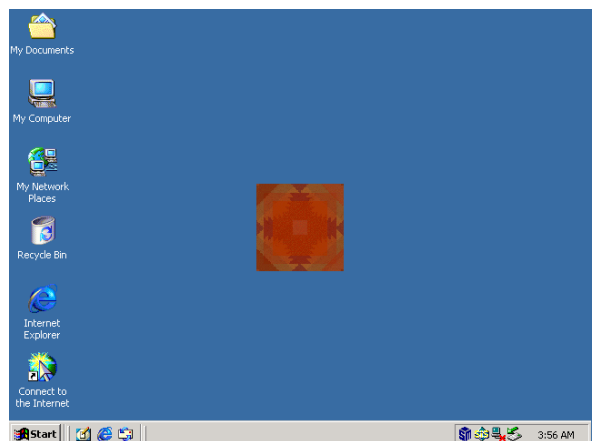
1-k. The monitor on 2<sup>nd</sup> display VGA card.



2-k. Choose identify 1 and enable "Extend Windows.." then click "OK" button



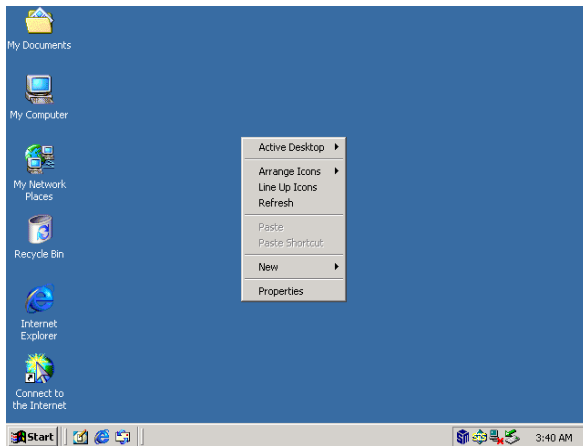
1-l. Now the second monitor on 2<sup>nd</sup> display VGA card.



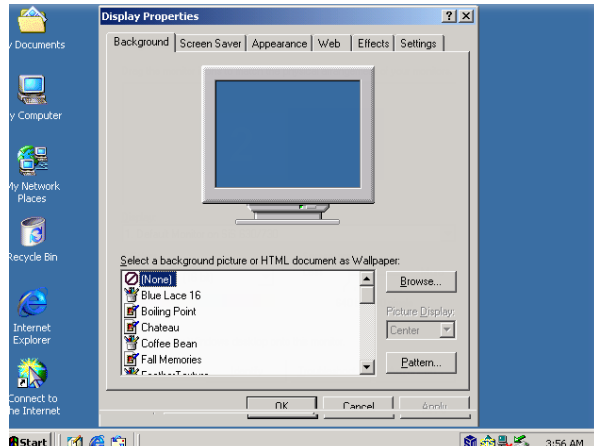
2-l. Now the primary monitor on SiS630



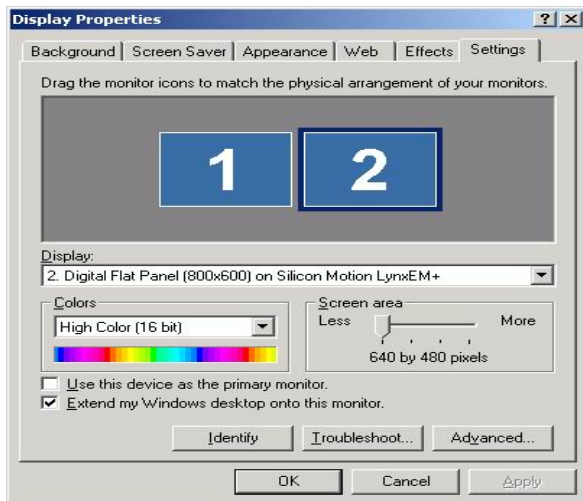
### 5.3.2 Stretch the Screen (If your LCD monitor screen area setup is 640\*480)



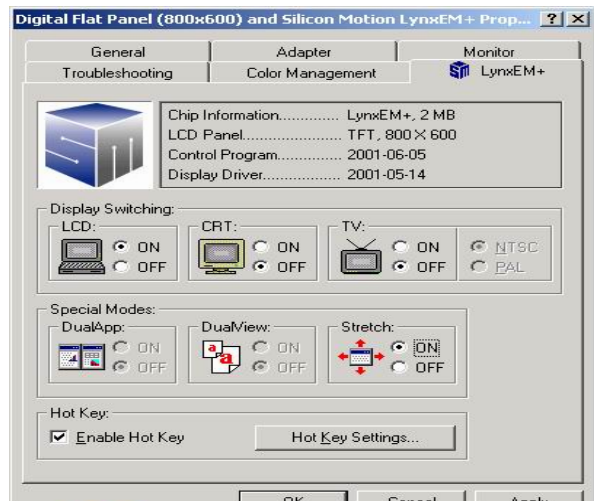
a. Right click of the mouse on the desktop and choose the "Properties" item.



b. Click the "Setting" button on the Display Properties window



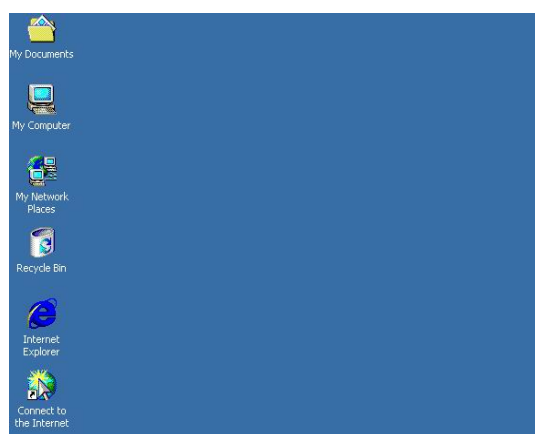
c. Select "Advanced" in the setting window.



d. Click stretch "ON" on the LynxEM+ window.



e. Before stretch.



f. After.

Note: Stretch the screen support 256 color and high color.