Second Display Installation Guide



Point-of-Sale Hardware System

48200150 August 2002 V1.0

1. Accessory







Serial Cable



Warranty Card

Drivers Bank

The following drivers in the folders of Driver Bank are necessary for driver installation. Make sure you choose the correct driver folder according to the MB(B55 or B75) you use.

Folder	Driver	Function		
	Acrobat	Acrobat Reader Installation		
	BIOS Tool	BIOS Update Tool		
Common	CDROMDrv	CDROM driver installation (for DOS)		
Common	Elo_Touch	Touch screen driver Installation		
	LAN_drive	LAN driver installation		
	* Netmos	Enable COM5/COM6		
	Smart Card	Smart Card driver installation		
	Audio	Audio driver Installation		
B55	UDMA	UDMA driver installation		
	VGA	VGA driver installation		
	Audio	Audio driver installation		
B75	Linux	Linux driver installation		
	VGA_Win2KXP	VGA driver installation in Win2KXP		
	VGA_Win98ME	VGA driver installation in Win98ME		
	Card Reader	Card Reader Test Program		
Test Utility	Cash Drawer	Cash Drawer Test Program		
	VFD	Customer Display Test Program		

When using B55 Mainboard, the Touch Screen was set on COM5. The Netmos driver must be loaded to enable COM5 & COM6 before installing ELO touch driver to COM5.

2. O Function

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	Tick	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. Specification

Part Number	P0750600	P0750500	P0750400			
Dimension	12.1 inch	10.4 inch	8.4 inch			
Resolution	800 x 600	800 x 600	800 x 600			
Brightness	180 cd/m ²	150 cd/m ²	150 cd/m ²			
View Area	246 x 185mm	211 x 158mm	170 x 128mm			
Color	6 bit x 3 RGB (262,14	4)				
Interface Signal	D-SUB 15 pin female					
	Analog RGB, Scan fre	equency V:60~75Hz,				
	800 x 600, 640 x 480					
Tempered Glass	Thickness: 2mm. Hard	dness 6~7 H. Light Tra	nsmittance: 88%			
Touch Screen(Option)) To replace tempered glass with 5-wire resistive touch					
	Serial port D-SUB 9 pin female					
OSD Control Button	Power, Menu, Up, Dov	wn & Enter				
Power Status LED	Two-tone LED, green	for active status and o	range for suspend			
DC Power Input	+12V/2A supply from	VGA Connector D-SU	3 15 pin 4 &11			
Pole Height	137 or 167 mm for PC	S500 series				
	155 or 185 mm for PC	S600 series				
Tilt Angle	0 ~ 40 degree					
Spill Proof	Screen and Bezel					
Operation Temperature	0 ~ 40					
Operation Humidity	8% ~ 90%, non-conde	ensing				
Storage Temperature	-20 ~ 60					
Storage Humidity	5% ~ 95%, non-conde	ensing				
Back-Light Life	20,000 hours					
System MTBF	40,000 hours					
Safety and EMI	FCC, CE					
Accessory	D-SUB 15-pin female-	to-male VGA cable of	300mm long			

Note:

- a. The second display can only be mounted on POS500/505/600/605 of our product.
- b. Windows 2000 does not support the driver of the dual display.

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

The following procedures are for POS600 with B75 M/B under Windows 2000. Other platforms are similar.

5.1 VGA



a. Click "B75" on the POS driver window.



b. Click "VGA_Win2KXP" on the B75 window.



c. Click "SETUP" On the VGA_Win2KXP window.



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



d. Click "Next" on the Welcome window.



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



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

E System devices
E ← Universal Serial Bus controllers





- h. Click "Finish" on the Setup Complete window.
- i. Now the VGA driver is installed.

5.2 Elo_Touch

POSORV (Dr)				
File Edit View Fevorites	Tools Help			
- Back + - +	anth -3 Polders	distory .	3GX2	E.
Address Drosberr (D-)				3
10 30				
POSDRV (D:)	AUTOPILE	855	859	863
COMMON				
File Folder	865	874	875	COMMON

a. Click "COMMON" on the POS driver window.

CE Elo_Touch				
Pla Edt Very Pavortes Ortack = +0 + (31 10)Sec	Toole Pielo ech @Poldere	Gratory	as×	۰۰ m-
Address K Clo_Touch				
Jan Star				
Elo_Touch	81030	Ele DOS	Ele Unuc	sitr\$5
H.D 2D Pile Polder	Elowe200	Ekwant	Eloweda	Ekwww.

c. Click "ELO 2D" on the Elo_Touch window.



e. Click "Setup" on the win2K_xp window.



b. Click "Elo_Touch" on the COMMON window.

Carlo 2D			
Pile Edit View Pavorites To	ols Help		
🗢 Back 🔹 🗢 🐑 🔞 Search	C Folders	CHestory	23 22 ;
Address 🧮 ELO 20			
i d		uic filtra	
ELO 2D	Heres_cp	We 12/05/0	
win2k_xp			

d. Click "win2K_xp" on the ELO 2D window.



f. Click "Next" on the Elo MonitorMouse for Windows 2000 Setup window.

Ele MonitorMeuse fer Winder	w 2001 Sehap 🛛	Els MasterMaux for Windows 2000 Setup	×
B TOUCHSYSTEMS	Diverse COM parts have the fait below to use with your souchronikos. All COM posts reported by your system are listed.	You have taked at the COM ports lated below to use so you a known and	•
ARIA	Once you have relected COM poly, click Newton continue the installation	Dick Next to continue with the installation or click Back shores a new list of CDM polis.	ta:
	Ned>Canal	(Back New) Car	cet

g. This is the key part of the whole installation: usually there can only be one COM port chosen for touch screen function(it's COM5 for POS500/505/600/605), but if the system is connected to a second display, you can choose any of COM1, COM2, COM3 for the second display touch screen function by pressing the control button on the keyboard while making your selection(it's COM1 in this case). Proceed the installation with clicking "Next."

Elo MonitarMouse for Windows 2000 Settup	System Settings Change	X
The first part of the Ele toucheronitor setup is complete. Choose Frisch is sented your spaten. After Windows backberonitor and complete the installation Please sensore all hoppy disks before restarting.	You must restart your computer before the new settings will take Do you want to restart your computer now? Yes No	effect.
CERC. Frank Ewcel		

h. Click "Finish" on the Elo MonitorMouse for Windows 2000 Setup window.



j. After the computer restarted, touch the targets with your finger for alignment.

i. Click "Yes" on the System Settings Change.



k. Click "Yes" on the Check Video Alignment window.



Elo Touchscreen Properties		×		
Construction Construction General Buttons Sound Diagnostics About Video alignment enables the computer to convert touchaceen coordinates into image coordinates. Video alignment enables the computer to convert touchaceen coordinates into image coordinates. Align the touchaceen whenever you: Initially install the touchaceen drivers Change your display resolution, or change the image size or position. One of the second states				
Port Your touchmonitor is currently attached to: COM5 Change to :	Change the touchmonitor or touchscreen hardware. Notice the cursor isn't lined up with your finger. Align			
[OK Cancel Apply			

- I. Click "Finish" on the "Elo TouchSystem Setup window.
- m. If the cursor is not in sync with your finger tip, click "Align..." to execute the alignment procedure again, or click "OK"



n. Now the Elo_Touch driver is installed.

5.3 Dual Display Setting (Windows XP)

Please note that Windows 2000 does not support dual display function. Windows XP and Windows 98 do.





Display Prope	rties			d. Monitor 1
Themes Desk	top Screen Saver	Appearance	Settings	stands for the
Drag the mon	tor icons to match the	e physical arrar	ngement of yo	Second Display. Click icon "1"
Display: 1. Default Mo	priltor on SiS 300/305	6/630/540/730		
Screen reso Less	lution More	Color qua Medium	ality (16 bit)	
Use this de	evice as the primary n Windows desktop or	nonitor. hto this monitor.		
	1.1	1		and the second



6. On-Screen Display

OSD MENU V1.1								
I-TOUCH	(automatically default)	/ adjust	clock,	phase,	brightness,	contrast,	load	
CONTRAST	(contrast adju	contrast adjustment)						
BRIGHTNESS	(brightness ad	prightness adjustment)						
SHARPNESS	1 2	2 3 OFF						
OSD POSITION	Н 🗸	/	Т		RECALL VA	LUE		
(OSD centering	(horizontal) (v	vertical)	(transp	arency)	(return to de	efault settir	ng)	
adjustment)								
	ENGLISH							
	(default)							
LANGUAGE	FRENCH							
	SPANISH							
	GERMAN							
	CHINESE							
	JAPANESE							
H/V-POSITON	H		V	V (vertice)				
(LCD centering	(norizontal)		(ver	(vertical)				
adjustment)								
	RGB COLOR (color ratio adjustment)		R (rod					
ADVANCED SET				G (green)				
(picture			B	R				
performance			(blu	(blue)				
adjustment)	PHASE							
	(clock delayed time)							
	CLOCK							
	(pixel frequen	icy)						
	COLOR LEVE	ΞĹ	W	W				
	(black and wh	hite porti	on (whi	ite)				
	adjustment)	-	В					
	- /			(black)				

- a. Press "Menu" button to make adjustments, then press "Menu" button to exit menu, then press "Menu" button to close OSD window and save the adjustments. If you do not use or change any value of the control function, the OSD will disappear in 16 seconds.
- b. While the display is capable of other resolutions (as with all flat panel displays), it is a fixed matrix of pixels and best used at its native resolution 800 x 600.