Using the Intel® EMGD Configuration Editor to install Windows XP* graphics drivers

The generic Microsoft* Windows XP graphics driver works for these boards, however an error on the video controller appears in Device Manager:

File Action View Help
🖃 🚇 DVD-23165
🕀 😼 Computer
🕀 🥪 Disk drives
🕀 🖾 Human Interface Devices
😟 🗃 IDE ATA/ATAPI controllers
🕀 🦢 Keyboards
🗄 🐚 Mice and other pointing devices
主 🎟 Network adapters
😑 🍄 Other devices
🗌 🖓 Video Controller (VGA Compatible)
🗄 🚽 Ports (COM & LPT)
🛨 \Re Processors
🗄 🥘 Sound, video and game controllers
😟 👮 System devices
🕀 🖨 Universal Serial Bus controllers

To create and install Intel's graphics driver package, follow the steps below. (The steps and images in these instructions apply to the Intel® Desktop Board D2500CC connected to a single VGA monitor.)

- 1. After downloading Embedded Media and Graphics Driver package, double-click the filename to unpack the contents to this default folder: C:\IEMGD\
- 2. From the c:\IEMGD\IEMGD_x.xx\ folder, run **emgd_ced.exe** to open the Intel® EMGD Configuration Editor.
- 3. Select New Configuration.



- 4. On the Chipset Configuration Page:
 - a. Enter a Configuration File Name.
 - b. Select Intel Atom Processor N2000 and D2000 Series under Platform Chipset.
 - c. Select the **Display Configuration Mode** (Single, Clone or Extended).
 - d. Select the type of display you are using under **Port Device**.
 - CRT (equal to VGA)
 - LVDS
 - HDMI-B/DP-B
 - HDMI-C/DP-C/eDP
 - e. Click Next.

Configuration File Name	Platform Chipset	
D2500CC-VGA	Intel(R) Atom(TM) Processor N2000 and D2000 Serie: 🔽	
Display Configuration Mode	Clone Settings	
Single	Clone Width	
Overlay Color Correction		
	Clone Height	
Windows Embedded Compact 7 Setti	ings	
Display Detection	Classe Disfinath	
() Enable		
ODisable		
Overlay Off		
Disable Detection of Multiple DVO	Transmitters of the Same Type	
Port Devices		
Available Ports	Port Order	_
LVDS HDMI-B/DP-B	CRT	
HDMI-C/DP-C/eDP	<	

- 5. On the monitor **Configuration Page:**
 - a. Enter a Readable Port Name.
 - b. Select the **Display Type.**
 - c. Click Finish.

EMGD Configuration Editor	
CRT Configuration Page This page allows you to configure the settings for	an individual display port.
Readable Port Name Syncmaster Port Rotation Flip Port CenterOff EDID Options Use EDID Display if available If EDID Device (edid_avail) Use driver built-in standard timings Use EDID Block Use user-defined DTDs	Digital Display Configuration Select the Display Type Analog Attribute Settings DDC Settings Flat Panel Settings Framebuffer Color Correction Attributes Custom Display Timing Descriptors (DTDs) 1024x6005amsung4_8.dtd
If Not EDID Device (edid_not_avail) Use driver built-in standard timings Use user-defined DTDs	1024x600TMD5_61.dtd 1024x768@60Hz.dtd 1152x864@75Hz.dtd 1280x1024@60Hz.dtd 1280x768@60Hz.dtd New DTD Native DTD Flag

6. Select New Package.



- 7. On the EMGD Package Page:
 - a. Enter a Package File Name.
 - b. Select the **Configuration** package you created.
 - c. Select the Target OS of Microsoft Windows XP*/XPe*.
 - d. Click Finish.

ickage File Name	Target OS	
2500CC-VGA	 Windows Embedded Compact 7 Microsoft Windows XP*/XPe* Video BIOS 	
Configuration Name Chipset Config ID ✓ D2500CC-VGA ND2000 1	EFI	
	Microsoft Windows* Settings	
Select All Clear All	EFI Splash Screen	

8. Select the package you created and then select Generate Installation.



9. Expand the \installation folder and subfolders until you see the **IEMGD_HEAD_Windows.zip** file.



10. Click on the .zip file to select it. Then hold down the **Ctrl key** and drag/drop the file onto your Windows Desktop. (Alternatively, you can drag and drop the file onto a USB portable device.)



11. Close the Configuration Editor.

- 12. On the Desktop, unzip IEMGD_HEAD_Windows.zip file.
- 13. From the IEMGD_HEAD_Windows\Utilities\ folder, run the file Setup.exe.



14. Confirm you want to install drivers and application files. Follow all prompts during the installation and restart the computer when it is complete.

🛢 Intel® Embedded Media and Graphics Driver Setup	×
 Installs driver and application files Uninstalls driver and application files 	

Troubleshooting

Windows Logo testing warning

You may see the following warning when running Setup.exe. Click **Continue Anyway** to proceed with the driver installation.

Softwar	e Installation
♪	The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why</u> this testing is important.)
	Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

Black screen after installing driver

If the wrong device type (CRT, LVDS, HDMI, DisplayPort) was selected, after the computer restarts, the display is likely to be black (showing no video). To recover:

- 1. Shut down the computer.
- 2. Start Windows in Safe Mode.
- 3. From the IEMGD_HEAD_Windows\Utilities\ folder, run the file Setup.exe.
- 4. Choose to uninstall the driver and application files.

😰 Intel® Embedded Media and Graphics Driver Setup	×
 Installs driver and application files Uninstalls driver and application files 	
Next	

5. After restarting the computer, you can run through the steps above to select the correct device type.