

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:



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**.

EMGD Configuration Editor

Chipset Configuration Page

This page allows you to configure general settings for one platform and one display combination.

Configuration File Name
D2500CC-VGA

Platform Chipset
Intel(R) Atom(TM) Processor N2000 and D2000 Serie: ▾

Display Configuration Mode
Single ▾

Clone Settings

Clone Width
[]

Clone Height
[]

Clone Refresh
[]

Display Detection

Enable
 Disable

Overlay Off

Disable Detection of Multiple DVO Transmitters of the Same Type

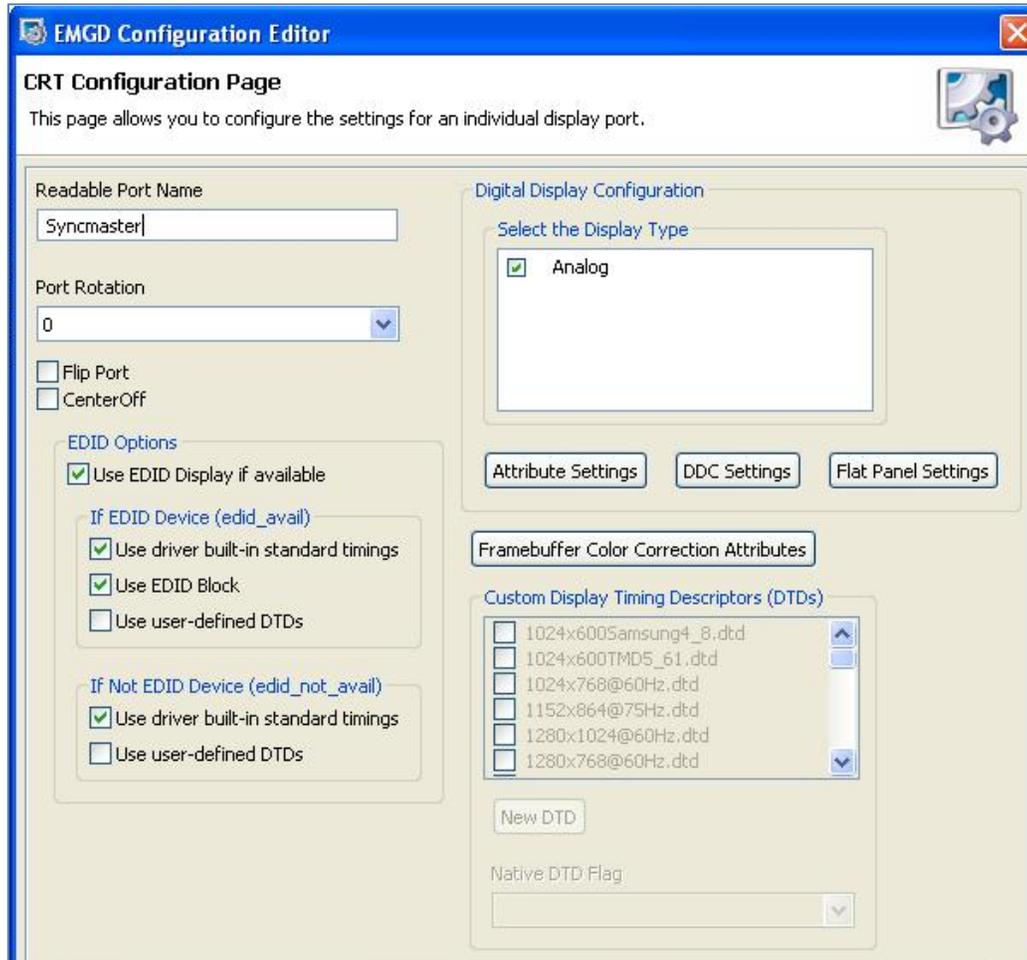
Port Devices

Available Ports
LVDS
HDMI-B/DP-B
HDMI-C/DP-C/eDP

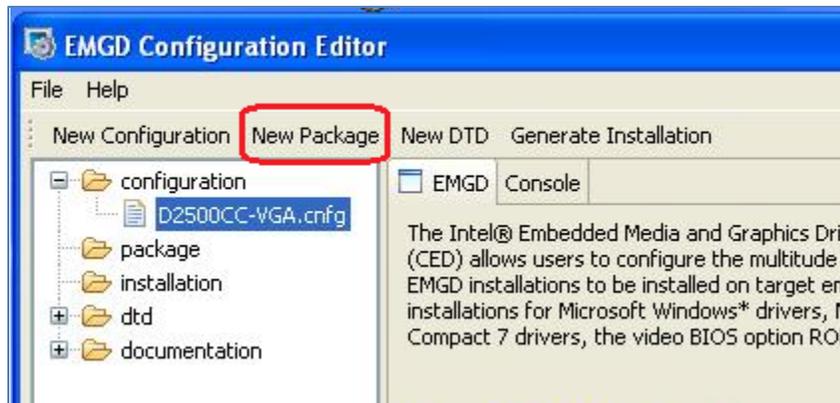
Port Order
CRT

Clear

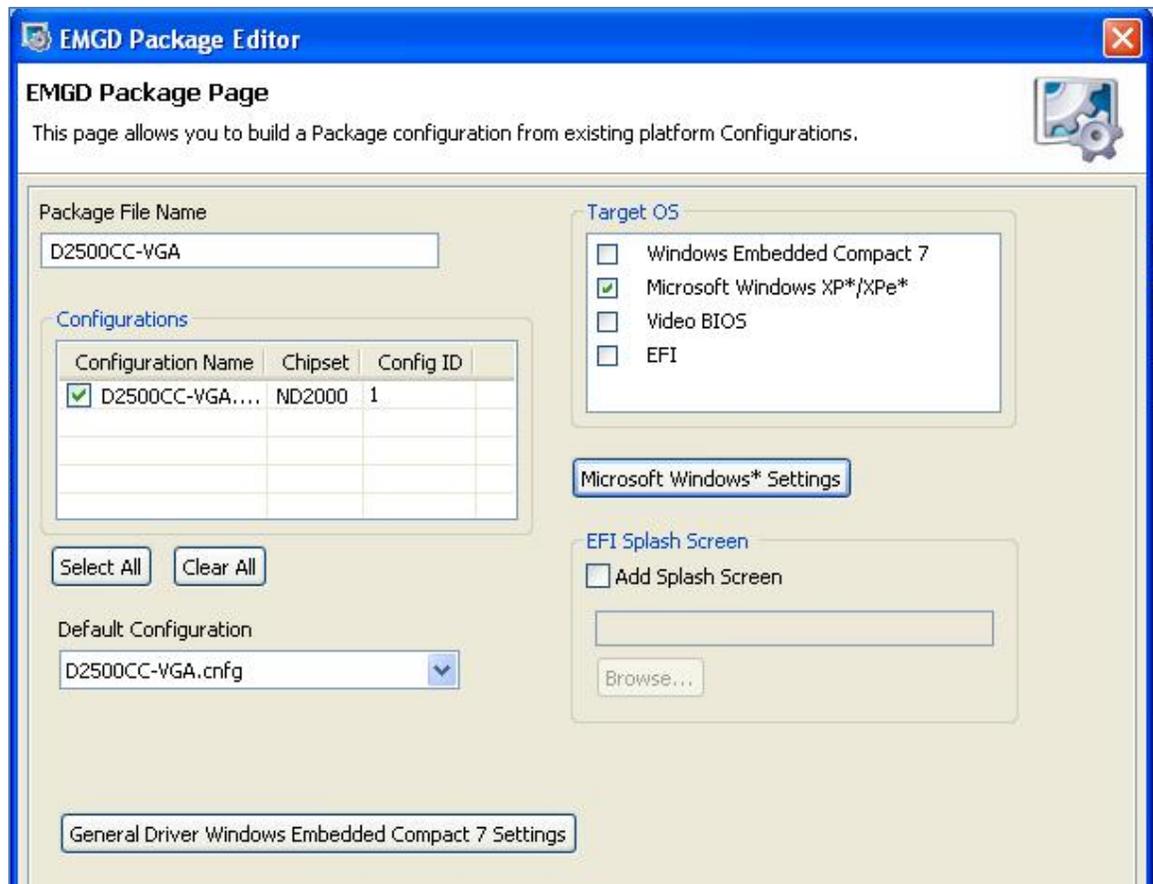
5. On the monitor **Configuration Page**:
 - a. Enter a **Readable Port Name**.
 - b. Select the **Display Type**.
 - c. Click **Finish**.



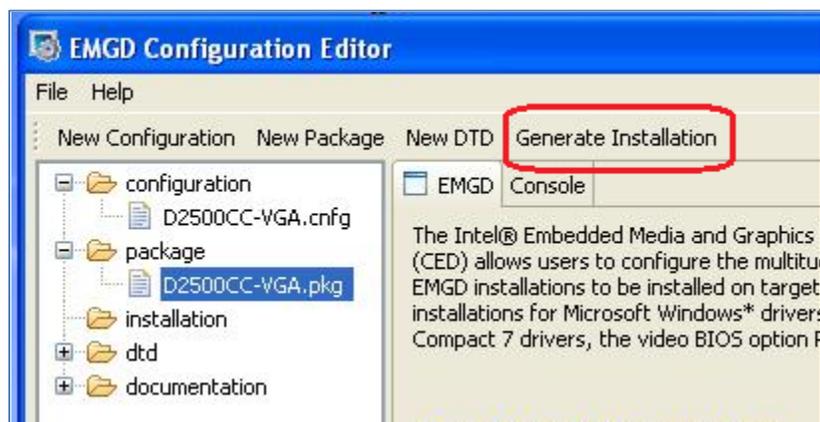
6. Select **New Package**.



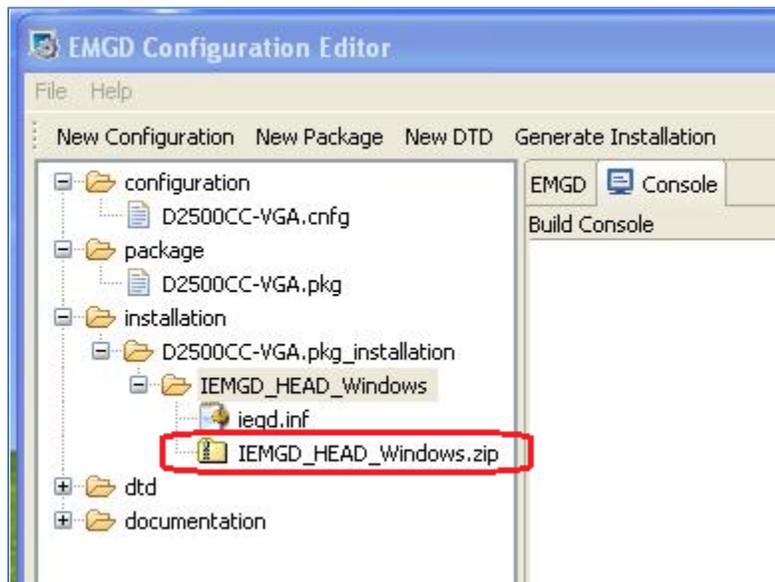
7. On the **EMGD Package Page**:
 - a. Enter a **Package File Name**.
 - b. Select the **Configuration** package you created.
 - c. Select the **Target OS** of **Microsoft Windows XP*/XPe***.
 - d. Click **Finish**.



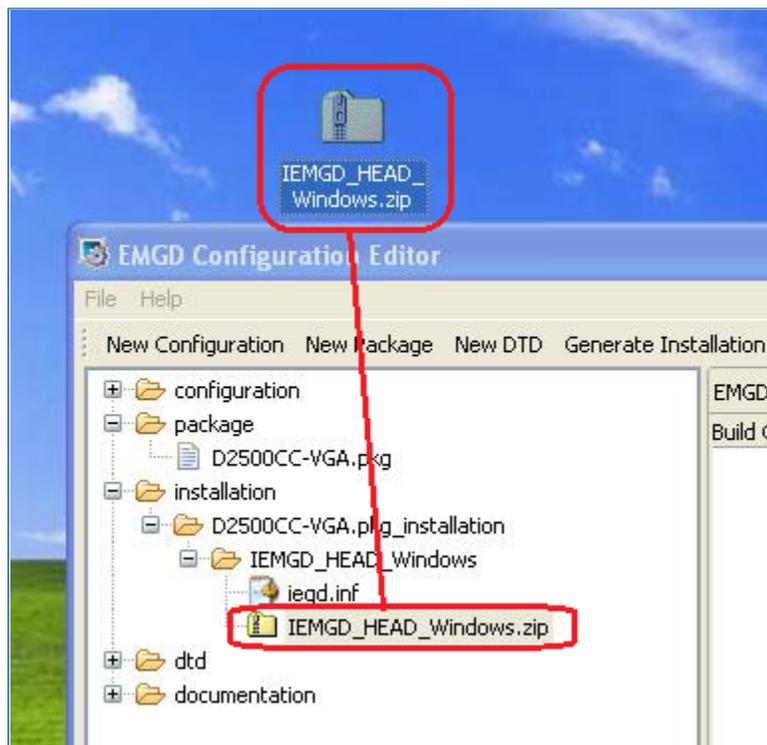
8. Select the package you created and then select **Generate Installation**.



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

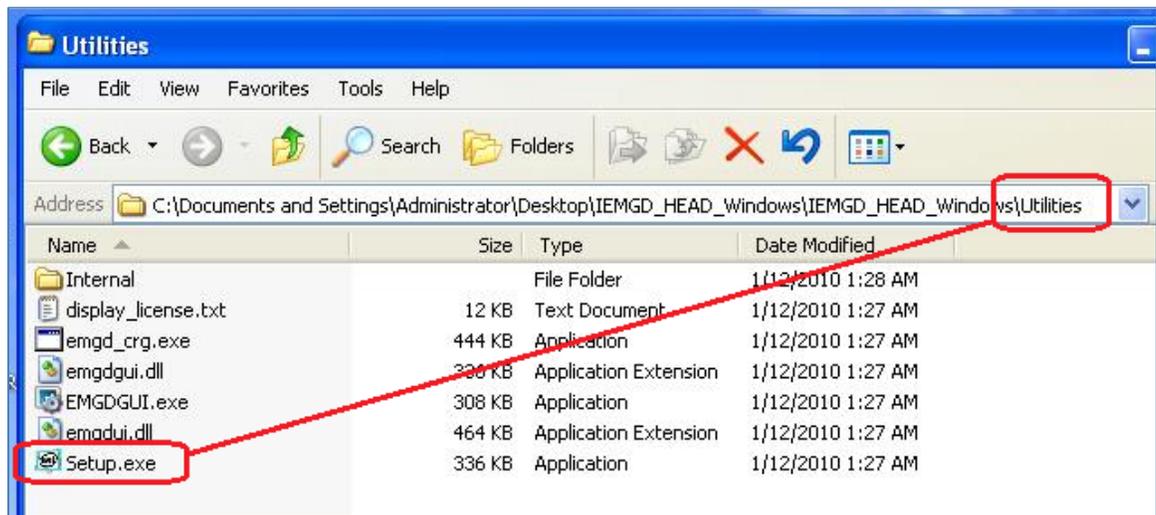


- Click on the .zip file to select it. Then hold down the **Ctrl** key and drag/drop the file onto your Windows Desktop. (Alternatively, you can drag and drop the file onto a USB portable device.)

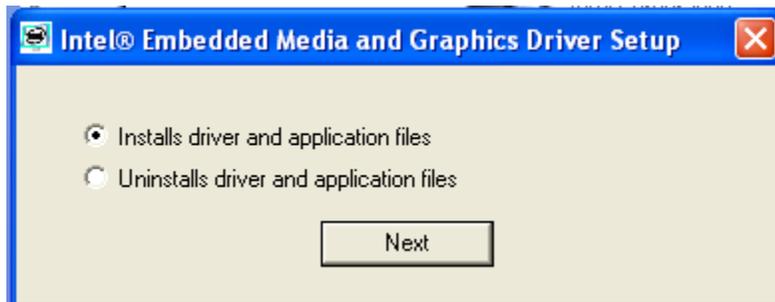


- Close the Configuration Editor.

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



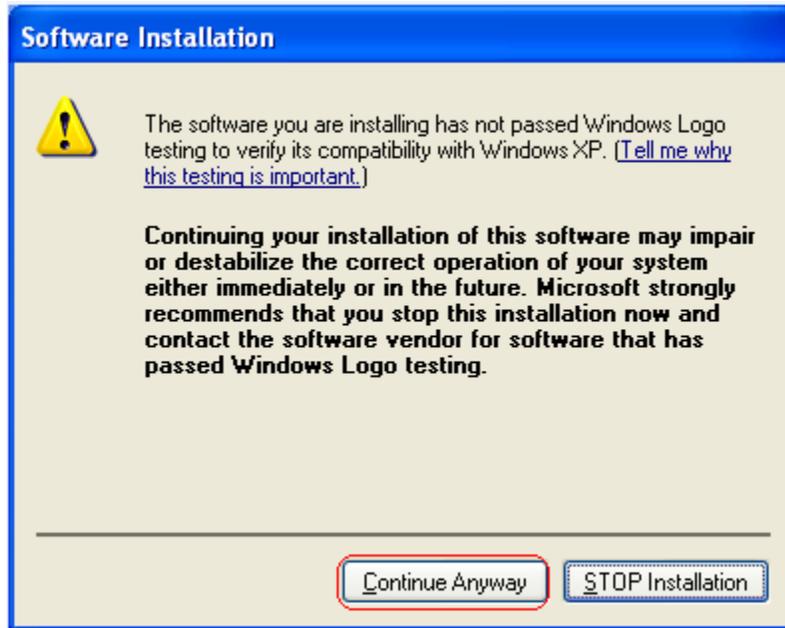
14. Confirm you want to install drivers and application files. Follow all prompts during the installation and restart the computer when it is complete.



Troubleshooting

Windows Logo testing warning

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



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