

Title

SurePOS 4800-741/C41/781 P4 Linux Intel® Extreme Graphics Video Driver

Abstract

This download contains the Linux installation package for the Intel® Extreme Graphics Video Driver.

Download Description

This package contains all the files necessary to install the Intel® Extreme Graphics Video Driver on the SurePOS 4800-741/C41/781 P4 models.

The download applies to Red Hat Linux version 7.3 and is only applicable for installation on the SurePOS 4800-741/C41/781 P4 models.

Prerequisites

Red Hat Linux Version 7.3

Installation instructions

The video driver is released as a tar package. To install the Intel® Extreme Graphics Video Driver on Red Hat Linux v7.3, please follow the package README instructions below:

```
*****
*
*
*   Production Version Releases
*
*   Intel(R) Extreme Graphics Driver
*   XFree86* 4.2.0 or later
*   Driver Revision: 20030414
*
*
*   April 14, 2003
*
*   NOTE:  This document refers to systems containing the
*           following Intel chipsets:
*
*           Intel(R) 830M Chipset
*           Intel(R) 830MG Chipset
*           Intel(R) 845G Chipset
*           Intel(R) 845GL Chipset
*           Intel(R) 845GE Chipset
*           Intel(R) 845GV Chipset
*           Intel(R) 852GM Chipset
*           Intel(R) 852GME Chipset
```

- * Intel(R) 855GM Chipset
- * Intel(R) 855GME Chipset
- * Intel(R) 865G Chipset

* Installation Information

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7. Installation Switches Available

 * 1. SYSTEM REQUIREMENTS

1. The system must contain one of the following Intel
 Chipsets:

- Intel(R) 830M Chipset
- Intel(R) 830MG Chipset
- Intel(R) 845G Chipset
- Intel(R) 845GL Chipset
- Intel(R) 845GE Chipset
- Intel(R) 845GV Chipset
- Intel(R) 852GM Chipset
- Intel(R) 852GME Chipset
- Intel(R) 855GM Chipset
- Intel(R) 855GME Chipset
- Intel(R) 865G Chipset

2. The software should be installed on systems with at
 least 128 MB of system memory.

3. There should be sufficient hard disk space in the <TEMP> directory on the system in order to install this software.
4. XFree86* 4.2.0 or later with Linux* kernel 2.4.11 or later

Other operating systems using XFree86 may work but are not tested or supported by Intel

Please check with your system provider to determine the operating system and Intel Chipset used in your system.

 * 2. LOCALIZED LANGUAGE ABBREVIATIONS

The Intel(R) Extreme Graphics driver for XFree86* has not been localized to any language other than U.S. English

 * 3. INSTALLING THE SOFTWARE

General Installation Notes:

- The operating system must be installed prior to the installation of the driver.
- This installation procedure is specific only to the version of driver and installation file included in this release.
- This procedure assumes that all of the software associated with this release is located in the same directory.
- Updating the kernel after installing the driver files requires that you install header files for your new kernel, delete the existing folder containing files extracted from the tar.gz file and re-extract the files. This removes files compiled under your old kernel.
- Some distributions use "XF86Config" while others use "XF86Config-4" for compatibility reasons.
- Modify the instructions as appropriate for your distribution

 *3.a. TAR INSTRUCTIONS

1. Install Linux

2. Log in as root or as a superuser
3. Install kernel headers
 - a. For Red Hat versions, this is normally on CD2:
/RedHat/RPMS/kernel-source-2.4.18-3.i386.rpm
 - b. Alternately, load your kernel config file,
save the config, and run "make dep"
4. Extract the downloaded files:
 - a. tar -zxvf 20030106-i386-Linux.tar.gz
5. Ensure X Windows is not running
6. cd dripkg
7. ./install.sh
8. Follow the prompts; most users should be able to press
"Enter" at each prompt

*3.b RPM INSTRUCTIONS

1. go to the directory where you saved the driver package
2. su
3. rpm -Uvh dripkg-1.0-3.i386.rpm
4. exit su

*3.c FINISHING UP (ALL PACKAGE TYPES)

1. Make a backup copy of your XF86Config-4 file
2. Modify the XF86Config-4 file by ONE of three methods:
 - a. Use a text editor to modify section "Device" -
modify "Driver" entry to read "i810"
 - b. OR run 'Xconfigurator,' selecting "Intel 830"
from the list
 - c. OR run 'X -configure' the edit ~/XF86Config.new
 - i. Immediately after the "Monitor" line in
the "Screen" section, add
'DefaultDepth 16'
 - ii. At the end of the file (if not already
there), add:

Section "DRI"

Mode 0666
EndSection

iii. Make the new config file the default by
copying it to XF86Config-4:

1. cp ~/XF86Config.new
/etc/X11/XF86Config-4

3. Log out of root or superuser

4. startx

* 4. VERIFYING INSTALLATION OF THE SOFTWARE

1. Start X Windows and play a 3D accelerated game

OR

2. Run 'modprobe -l * | grep i830.o'

* 5. IDENTIFYING THE SOFTWARE VERSION NUMBER

1. Run 'cat ~/dri/pkg/pkginfo'

* 6. UNINSTALLING THE SOFTWARE

No uninstallation script is provided

* 7. INSTALLATION SWITCHES AVAILABLE

No installation switches are provided

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