



LYNX FAMILY

# **SM712 Driver Release Note**

## Introduction

This document describes the features, resolutions and color depths supported by Silicon Motion Inc.'s LYNX FAMILY under various operating system environments, such as Windows2003/2008 and Linux.

## Windows Server OS

The Windows 2003/2008 display driver is a multi-resolution accelerated driver, which supports 8, 16, and 24 (bits-per- pixel) modes.

Operate system	Driver Version	Dated Logo Passed	Digital Signature
Win 2008 32bit	6.13.01.2003	2008-4-17	2008-4-17
Win 2008 64bit	6.13.01.07	2008-4-17	2008-4-17
Win2008 R2 64bit	6.13.01.07	2008-4-17	2008-4-17
Win2003 32bit	6.13.01.2001	2007-8-9	2007-8-9
Win2003 64bit	7.13.01.05	2007-6-21	2007-6-25

### Resolutions Supported

Modes	60Hz	75Hz	85Hz
640x480x8bpp	OK	OK	OK
640x480x16bpp	OK	OK	OK
640x480x24bpp	OK	OK	OK
800x600x8bpp	OK	OK	OK
800x600x16bpp	OK	OK	OK
800x600x24bpp	OK	OK	OK
1024x768x8bpp	OK	OK	OK
1024x768x16bpp	OK	OK	OK
1024x768x24bpp	OK	OK	OK
1280x1024x8bpp	OK	NA	NA
1280x1024x16bpp	OK	NA	NA

## Known Issue

Win2k8 may have some difficulties in supporting Multi Adapter. It's Microsoft's driver mode issue. The following link is Microsoft's comments on Multi Adapter.

<http://www.microsoft.com/whdc/device/display/multimonVista.msp>

## Linux Server OS

The Linux XWindows driver is a multi-resolution accelerated driver, which supports 8, 16, and 24 (bits-per- pixel) modes.

Operate system	Driver Version
RHEL5.4 32bit	2..2.14
RHEL5.4 64bit	2..2.12
SLES11 32bit	1.7.2
SLES11 64bit	1.7.2

## Resolutions Supported

Modes	60Hz	75Hz	85Hz
640x480x8bpp	OK	OK	OK
640x480x16bpp	OK	OK	OK
640x480x24bpp	OK	OK	OK
800x600x8bpp	OK	OK	OK
800x600x16bpp	OK	OK	OK
800x600x24bpp	OK	OK	OK
1024x768x8bpp	OK	OK	OK
1024x768x16bpp	OK	OK	OK
1024x768x24bpp	OK	OK	OK
1280x1024x8bpp	OK	NA	NA
1280x1024x16bpp	OK	NA	NA

## Installation (For example:RHEL5.4 32bit)

1. uncompress the via driver package  
tar zxvf ./ rhel5.4\_32bit.tgz
- 2 Run the install script

```
cd ./rhel5.4_32bit.tgz
chmod +x ./install
./install
```

### Known Issue

- Don't support Multi Card Dual View in SLES11 32bit/64bit. SMI will release the dual view driver in Q2,2010
- May can't boot into XWindow in some Monitors after install a new RHEL5.4 OS. This issue is caused by the wrong SM712 Inbox XWindow display driver in RHEL5.4.  
We can use the following steps to skip the OS inbox driver loading:
  - a) Boot the OS. After about one minutes, please press Ctrl+Alt+F2 to change another terminal.
  - b) Now you can login into the linux with console. Install Correct SM712 driver package.
  - c) it's OK.