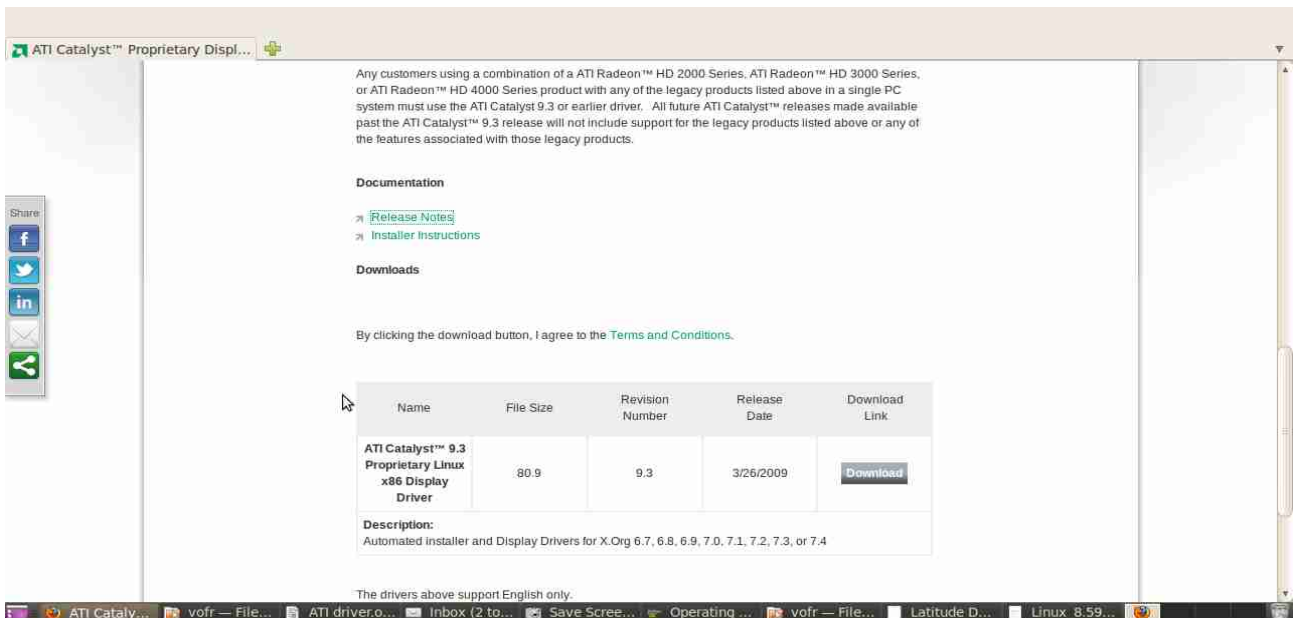


No support of integrated X1270 graphic chip

Hardware: DELL Latitude D531
Processor: Mobile AMD Sempron(tm) Processor 3600+
Family, model, stepping: 15, 124, 2 (AMD Opteron/Athlon64/FX)
Vendor: AuthenticAMD
Video: Integrated graphic chip ATI RadeonTM Xpress X1270
Video add on info out of BIOS
Video BIOS Version = 010.044.000.002.250.007
Video Memory = 160 MB (Video Memory Size setting: Auto)
Panel Type = 15.4"
Native Resolution = 1280 by 800
Kernel: Linux 2.6.32-37-generic (i686)
OS: Distribution Ubuntu 10.04.3 LTS

Step 1: download of latest released ATI Mobility RadeonTM X1200 driver ref. "Release Notes"
http://support.amd.com/us/gpudownload/linux/Legacy/Pages/radeon_linux.aspx?type=2.4.1&product=2.4.1.3.20&lang=English



ATI Catalyst™ Proprietary Displ...

Any customers using a combination of a ATI Radeon™ HD 2000 Series, ATI Radeon™ HD 3000 Series, or ATI Radeon™ HD 4000 Series product with any of the legacy products listed above in a single PC system must use the ATI Catalyst 9.3 or earlier driver. All future ATI Catalyst™ releases made available past the ATI Catalyst™ 9.3 release will not include support for the legacy products listed above or any of the features associated with those legacy products.

Documentation

- Release Notes
- Installer Instructions

Downloads

By clicking the download button, I agree to the [Terms and Conditions](#).

Name	File Size	Revision Number	Release Date	Download Link
ATI Catalyst™ 9.3 Proprietary Linux x86 Display Driver	80.9	9.3	3/26/2009	Download

Description:
Automated Installer and Display Drivers for X.Org 6.7, 6.8, 6.9, 7.0, 7.1, 7.2, 7.3, or 7.4

The drivers above support English only.

Step 2: Copy ATI-driver into directory /home/vofr/Radeon

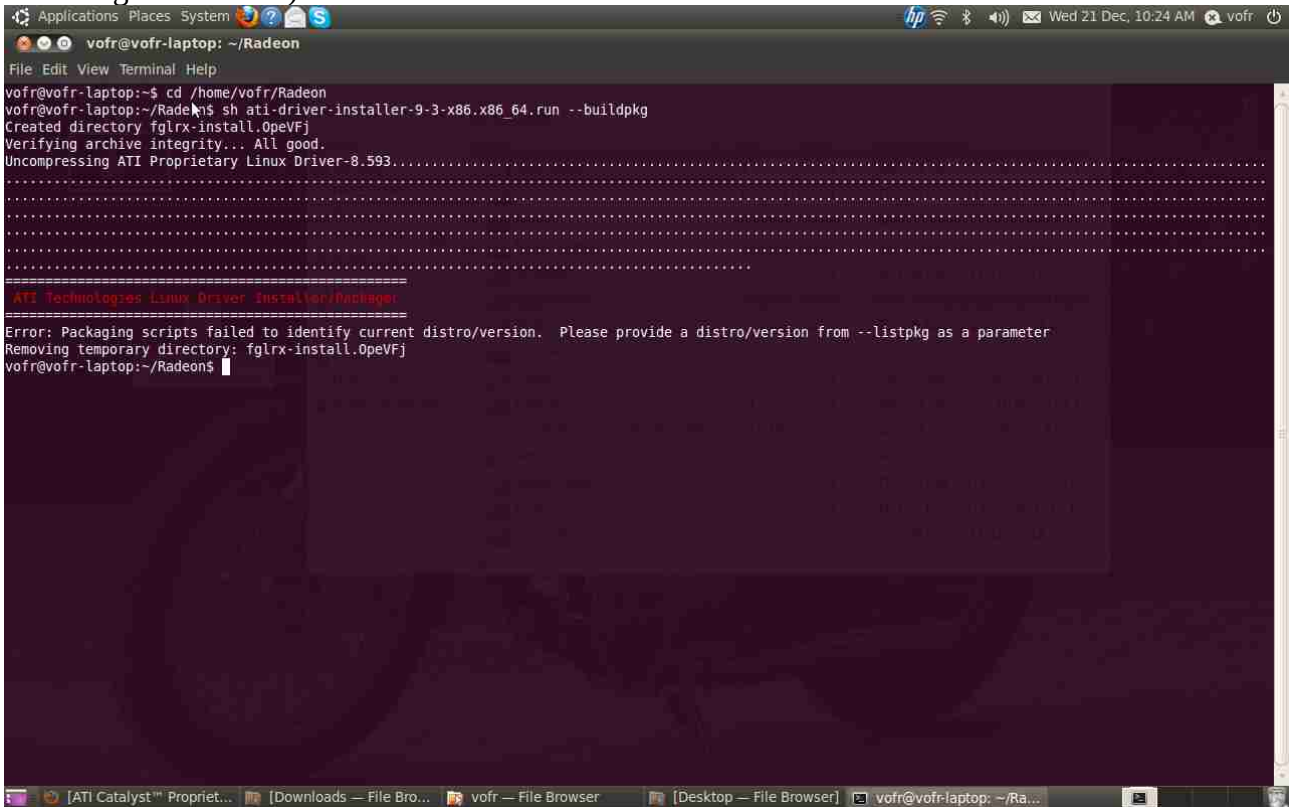


Bilder unsortiert

Item	Size	Type	Date
Musik & MP3	2 items	folder	Sat 17 Dec 2011 23:19:28 CET
Öffentlich	0 items	folder	Sun 06 Feb 2011 12:43:12 CET
OpenOffice	4 items	folder	Wed 10 Aug 2011 10:15:40 CEST
Pictures	2 items	folder	Tue 29 Nov 2011 11:22:34 CET
Postbank	3 items	folder	Mon 05 Sep 2011 09:22:12 CEST
Public	0 items	folder	Sat 03 Sep 2011 08:30:04 CEST
Radeon	2 items	folder	Wed 21 Dec 2011 10:00:20 CET
ATI driver.odt	421.9 KB	ODT document	Wed 21 Dec 2011 10:29:22 CET
ati-driver-installer-9-3-x86.x86_64.run	80.9 MB	shell script	Wed 21 Dec 2011 09:59:14 CET
Templates	0 items	folder	Wed 19 Oct 2011 16:28:17 CEST
Ubuntu One	15 items	folder	Thu 15 Dec 2011 23:20:58 CET
Videos	2 items	folder	Thu 15 Dec 2011 17:56:37 CET
Vorlagen	0 items	folder	Sun 06 Feb 2011 12:43:12 CET

19 items, Free space: 84.1 GB

Step 3: Open Terminal ---> cd /home/... ---> command: sh ati-driver-installer- ... (pls. ref. following screenshot)



```
Applications Places System vofr@vofr-laptop: ~/Radeon
File Edit View Terminal Help
vofr@vofr-laptop:~$ cd /home/vofr/Radeon
vofr@vofr-laptop:~/Radeon$ sh ati-driver-installer-9-3-x86.x86_64.run --buildpkg
Created directory fgfrx-install.0peVFj
Verifying archive integrity... All good.
Uncompressing ATI Proprietary Linux Driver-8.593.....
=====
ATI Technologies Linux Driver Installer/Package
Error: Packaging scripts failed to identify current distro/version. Please provide a distro/version from --listpkg as a parameter
Removing temporary directory: fgfrx-install.0peVFj
vofr@vofr-laptop:~/Radeon$
```

Questions:

- Why does Ubuntu 10.04.3 LTS not support integrated ATI graphic chip (Ubuntu version 10.04 - 1st release - supports ATI graphic chip function w/o any problems)?
- Is it a problem of Kernel version (I think yes)?
- In case the OS / Kernel doesn't support ATI graphic chip by installed OS / Kernel versions:
 - is it possible to install the ATI-driver manual?
 - which ATI driver is the right one
 - optional: could the Kernel version be downgraded? In case "y", where can I get the Kernel version and is there an installation instruction available?

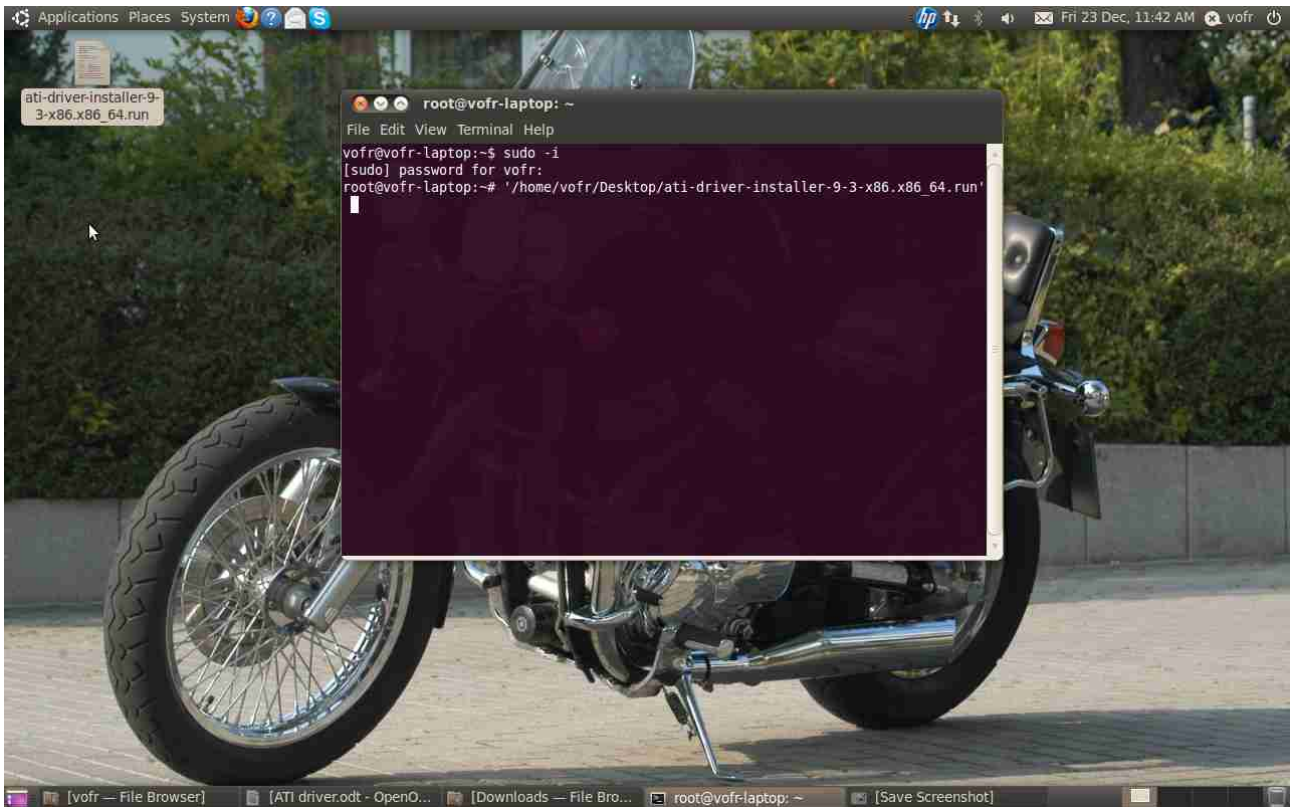
My overall expectation:

To consider X1270 graphic chip integration by next upgrade of Kernel version 2.6.34.

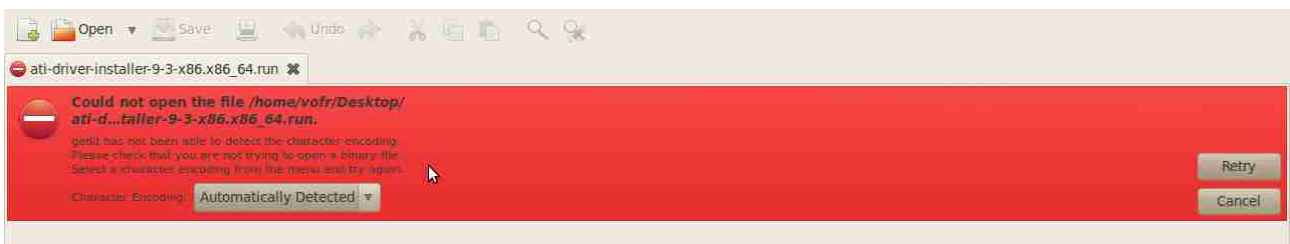
In my opinion – I'm no expert – the program code for integrated X1270 graphic chip which runs fine under Ubuntu 10.04 in state of delivery should be integrated!

Optional installation of ATI driver ref. following description also failed

- Copy “ati-driver-installer-9-3-*....run” to Desktop
- Open Terminal: “sudo -i” followed by password
- Drag&Drop “ati-driver-installer ...” into Terminal --> ENTER



Result:



23rd December 2011

Kernel update 2.6.32-37-generic ---> 2.6.34-020634-generic ref. following “Installation Guide”

Due to [http://de.wikipedia.org/wiki/Linux %28Kernel%29](http://de.wikipedia.org/wiki/Linux_%28Kernel%29) 2.6.34 Kernel gives “better support for new and older AMD and Intel chips” (bessere Unterstützung für neue und ältere [AMD](#)- und Intel-Chips)

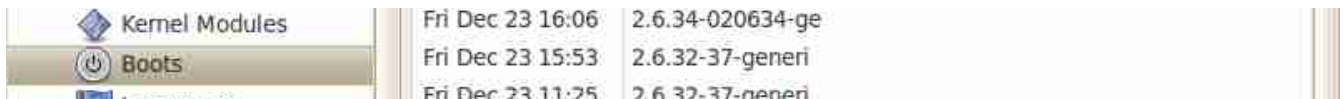
<http://www.ramoonus.nl/2010/05/linux-kernel-2-6-34-installation-guide-for-ubuntu-linux-10-04/>

Installation Guide

1. Download [linux-headers-2.6.34-020634_2.6.34-020634_all.deb](#)
2. Download your kernel headers package;

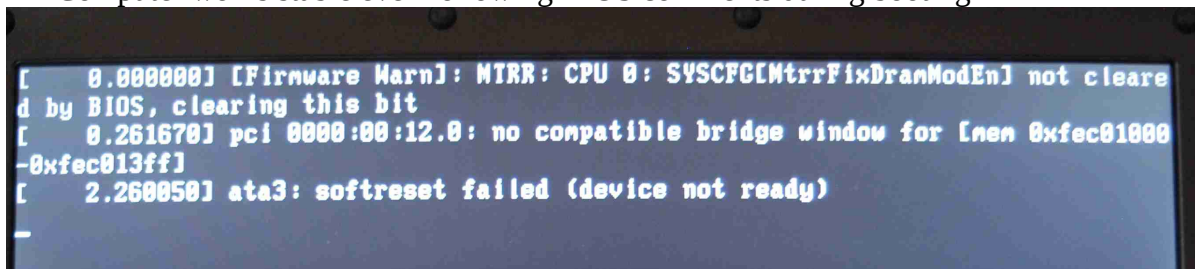
- I386: [linux-headers-2.6.34-020634-generic 2.6.34-020634 i386.deb](#)
 AMD64: [linux-headers-2.6.34-020634-generic 2.6.34-020634 amd64.deb](#)
- Download your kernel compile;
 - I386: [linux-image-2.6.34-020634-generic 2.6.34-020634 i386.deb](#)
 AMD64: [linux-image-2.6.34-020634-generic 2.6.34-020634 amd64.deb](#)
 - Install the files in the same order (else it won't work!)
 - In the terminal run:
`sudo update-grub`
 - Reboot and select the kernel from the bootloader menu

Yellow marked drivers selected

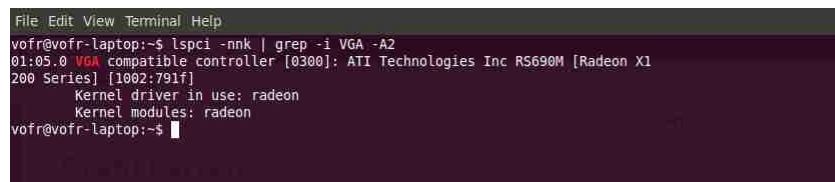


Results:

- X1270 graphic chip **not** supported
- CPU processor frequency 2 GHz cont. (Ondemand in range 800 MHz up to 2 GHz out of function)
- Computer works stable even following BIOS comments during booting



Check of graphic chip after booting the system:



Further investigations: due to "wiki.ubuntuusers.de/Grafikkarten/ATI/*"

Bad Performance under Ubuntu 10.04

Schlechte Leistung unter Ubuntu 10.04

Seit Lucid wird für ATI Grafikkarten Kernel Mode-Setting (KMS) verwendet. Diese Technik ist noch sehr jung und so kann es unter Umständen dazu führen, dass der Treiber eine schlechtere Leistung erbringt und so bereits einfache Anwendungen darunter leiden müssen. Auch die Funktion des Bereitschaftsmodus kann beeinträchtigt sein. Zur Behebung dieses Problems lässt sich KMS deaktivieren, dazu legt man mithilfe eines Editors^[2] mit Root-Rechten^[4] die Datei `/etc/modprobe.d/radeon-kms.conf` an und füllt diese mit folgender Zeile:

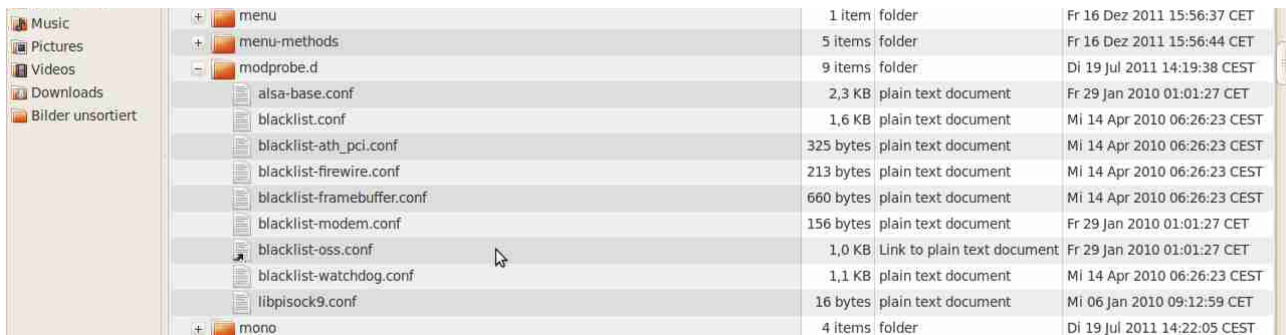
```
options radeon modeset=0
```

Danach abspeichern und einen Neustart durchführen. Als Nebeneffekt fällt der seit Lucid verwendete grafische Bootsplash `Plymouth` in den Textmodus zurück und die `virtuellen Konsolen` haben wieder die kleinere Standardauflösung wie in vorhergehenden Ubuntu Versionen. [Hier](#) gibt es eine Anleitung, wie diese Nebeneffekte behoben werden können.

Unter Umständen, zum Beispiel bei der Verwendung einer verschlüsselten Partition, muss zusätzlich mit folgendem Befehl^[3] das `initramfs` für die vorhandenen Kernel neu generiert werden, damit die Änderung übernommen wird:

```
sudo update-initramfs -u -k all
```

Deactivating of KMS is not possible by reason, that “radeon-kms.conf” not available in directory “/etc/modprobe.d/radeon-kms.conf”



Name	Size	Type	Modified
menu		1 item folder	Fr 16 Dez 2011 15:56:37 CET
menu-methods		5 items folder	Fr 16 Dez 2011 15:56:44 CET
modprobe.d		9 items folder	Di 19 Jul 2011 14:19:38 CEST
alsa-base.conf	2,3 KB	plain text document	Fr 29 Jan 2010 01:01:27 CET
blacklist.conf	1,6 KB	plain text document	Mi 14 Apr 2010 06:26:23 CEST
blacklist-ath_pci.conf	325 bytes	plain text document	Mi 14 Apr 2010 06:26:23 CEST
blacklist-firewire.conf	213 bytes	plain text document	Mi 14 Apr 2010 06:26:23 CEST
blacklist-framebuffer.conf	660 bytes	plain text document	Mi 14 Apr 2010 06:26:23 CEST
blacklist-modem.conf	156 bytes	plain text document	Fr 29 Jan 2010 01:01:27 CET
blacklist-oss.conf	1,0 KB	Link to plain text document	Fr 29 Jan 2010 01:01:27 CET
blacklist-watchdog.conf	1,1 KB	plain text document	Mi 14 Apr 2010 06:26:23 CEST
libpisock9.conf	16 bytes	plain text document	Mi 06 Jan 2010 09:12:59 CET
mono		4 items folder	Di 19 Jul 2011 14:22:05 CEST

Summary: I'm (getting) frustrated!