Bisoños Usuarios de GNU/Linux de Mallorca y Alrededores | Bergantells Usuaris de GNU/Linux de Mallorca i Afegitons

VGA externa en un IBOOK - Cómo hacer funcionar las X LCD+CRT

(17033 lectures)
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> *Por fin podemos utilizar el IBOOK para realizar presentaciones con el **Proyector** o conectar un **CRT**. Esta testeado en un IBOOK II con la ATI Radeon M6, no lo he probado con la M7.*

Para empezar necesitamos instalar el paquete xserver-xfree86-dri-trunk , ya que sino tendreis problemas con el refresco y la aceleración, y que esta disponible en:

deb http://people.debian.org/~daenzer/dri-trunk-sid/ ./
deb-src http://people.debian.org/~daenzer/dri-trunk-sid/ ./

Una vez instalado debemos hacer unos retoques tanto en el kdmrc como en el xdm-config

1º Editamos el /etc/kde3/kdm/kdmrc y en la sección [X-*-Core] añadimos los siguiente

[X-*-Core]
AuthNameManager=MIT-MAGIC-COOKIE-1

2º en /etc/X11/xdm/xdm-config añadimos lo siguiete

DisplayManager*authorize: false

Ahora basta que hagas un copy paste del fichero XF86Config-4

Configuración del XF86config para dar salida por el CRT y LCD en
modo xinerama

##
Section "ServerFlags"
Option "BlankTime" "3"
Option "StandbyTime" "7"
Option "SuspendTime" "10"
Option "OffTime" "15"
EndSection

Section "Files"
FontPath "unix/:7100" # local font server
if the local font server has problems, we can fall back on these
FontPath "/usr/lib/X11/fonts/misc"
FontPath "/usr/lib/X11/fonts/cyrillic"
FontPath "/usr/lib/X11/fonts/100dpi/:unscaled"
FontPath "/usr/lib/X11/fonts/75dpi/:unscaled"

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FontPath "/usr/lib/X11/fonts/Type1"
FontPath "/usr/lib/X11/fonts/TrueType"
FontPath "/usr/lib/X11/fonts/Speedo"
FontPath "/usr/lib/X11/fonts/100dpi"
FontPath "/usr/lib/X11/fonts/75dpi"
FontPath "/var/lib/defoma/x-ttcidfont-conf.d/dirs/TrueType"
EndSection

Section "Module"
Load "GLcore"
Load "bitmap"
Load "dbe"
Load "ddc"
Load "dri"
Load "extmod"
# Load "freetype"
Load "xtt"
Load "glx"
Load "int10"
Load "record"
Load "speedo"
Load "type1"
Load "vbe"
EndSection

Section "InputDevice"
Identifier "Laptop Keyboard"
Driver "keyboard"
Option "CoreKeyboard"
Option "XkbRules" "xfree86"
Option "XkbModel" "macintosh"
Option "XkbLayout" "es"
EndSection

Section "InputDevice"
Identifier "Configured Mouse"
Driver "mouse"
Option "CorePointer"
Option "Device" "/dev/input/mice"
Option "Protocol" "ImPS/2"
Option "Emulate3Buttons" "true"
Option "ZAxisMapping" "4 5"
EndSection

Section "Device"
Identifier "ATI M6 Alone"
Driver "ati"
Option "AGPMode" "1"
Option "UseFBDev" "true"
VendorName "ATI"
BoardName "Radeon Mobility M6 LY"
BusID "PCI:0:16:0"
EndSection

Section "Device"
Identifier "ATI M6 Cloning"
Driver "ati"
Option "AGPMode" "1"
Option "UseFBDev" "true"
```

```
Option "MonitorLayout" "LVDS,CRT"
Option "CloneHSync" "30.0-100.0"
Option "CloneVRefresh" "50.0-160.0"
Option "OverlayOnCRTC2"
VendorName "ATI"
BoardName "Radeon Mobility M6 LY"
BusID "PCI:0:16:0"
Screen 0
EndSection

Section "Device"
Identifier "ATI M6 Internal"
Driver "ati"
Option "AGPMode" "1"
Option "UseFBDev" "true"
Option "MonitorLayout" "LVDS,CRT"
VendorName "ATI"
BoardName "Radeon Mobility M6 LY"
BusID "PCI:0:16:0"
Screen 0
EndSection

Section "Device"
Identifier "ATI M6 External"
Driver "ati"
Option "AGPMode" "1"
Option "UseFBDev" "false" #### ¡ojo! Framebuffers false para el externo
Option "MonitorLayout" "LVDS,CRT"
VendorName "ATI"
BoardName "Radeon Mobility M6 LY"
BusID "PCI:0:16:0"
Screen 1
EndSection

Section "Monitor"
Identifier "IDFP"
HorizSync 30-100
VertRefresh 50-160
Option "DPMS"

Mode "1024x768"
# D: 65.003 MHz, H: 48.365 kHz, V: 60.006 Hz
DotClock 65.004
HTimings 1024 1048 1184 1344
VTimings 768 771 777 806
Flags "-HSync" "-VSync" # atención: XFree86 no soporta aceleración
EndMode
EndSection

Section "Monitor"
Identifier "CRT"
HorizSync 30-100
VertRefresh 50-160
Option "DPMS"

Mode "1024x768"
# D: 65.003 MHz, H: 48.365 kHz, V: 60.006 Hz
DotClock 65.004
HTimings 1024 1048 1184 1344
```

```
VTimings 768 771 777 806
Flags "-HSync" "-VSync" # atención: XFree86 no soporta aceleración
EndMode

Mode "1280x1024"
# D: 134.21 MHz, H: ???? kHz, V: 73 Hz
DotClock 134.21
HTimings 1280 1336 1616 1728
VTimings 1024 1026 1038 1064
Flags "-HSync" "-VSync" # atención: XFree86 no soporta aceleración
EndMode
EndSection

Section "Screen"
Identifier "Screen Alone On DFP"
Device "ATI M6 Alone"
Monitor "IDFP"
DefaultDepth 24
SubSection "Display"
Depth 24
Modes "1024x768" "800x600" "640x480"
Virtual 1024 768
EndSubSection
EndSection

Section "Screen"
Identifier "Screen On DFP"
Device "ATI M6 Internal"
Monitor "IDFP"
DefaultDepth 24
SubSection "Display"
Depth 24
Modes "1024x768" "800x600" "640x480"
Virtual 1024 768
EndSubSection
EndSection

Section "Screen"
Identifier "Screen On CRT"
Device "ATI M6 External"
Monitor "CRT"
DefaultDepth 24
SubSection "Display"
Depth 24
Modes "1024x768" "800x600" "640x480"
Virtual 1024 768
EndSubSection
EndSection

Section "Screen"
Identifier "Screen On CRT 1024x768"
Device "ATI M6 External"
Monitor "CRT"
DefaultDepth 24
SubSection "Display"
Depth 24
Modes "1024x768" "800x600" "640x480"
Virtual 1024 768
EndSubSection
```

```
EndSection

Section "ServerLayout"
Identifier "Dual 1024x768"
Screen "Screen On DFP"
Screen "Screen On CRT 1024x768" LeftOf "Screen On DFP"
InputDevice "Laptop Keyboard"
InputDevice "Configured Mouse"
EndSection

Section "ServerLayout"
Identifier "Dual"
Screen "Screen On DFP"
Screen "Screen On CRT" LeftOf "Screen On DFP"
InputDevice "Laptop Keyboard"
InputDevice "Configured Mouse"
EndSection

Section "ServerLayout"
Identifier "Single"
Screen "Screen Alone On DFP"
InputDevice "Laptop Keyboard"
InputDevice "Configured Mouse"
EndSection

Section "ServerLayout"
Identifier "Cloned"
Screen "Screen Alone On DFP"
InputDevice "Laptop Keyboard"
InputDevice "Configured Mouse"
EndSection


Section "DRI"
Mode 0666
EndSection

###############################################
```

y eso es todo amigos, bueno si quereis afinar un poco más los modelines podeis ir a la siguiente dirección:

http://koala.ilog.fr/cgi-bin/nph-colas-modelines

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