Rocky Enterprise Linux 9.2 Manual Pages on command 'fbdev.4'

$ man fbdev.4

FBDEV(4) Kernel Interfaces Manual FBDEV(4)

NAME

fbdev - video driver for framebuffer device

SYNOPSIS

Section "Device"

Identifier "devname"

Driver "fbdev"

BusID "pci:bus:dev:func"

...

EndSection

DESCRIPTION

fbdev is an Xorg driver for framebuffer devices. This is a non-accel?

erated driver, the following framebuffer depths are supported: 8, 15,

16, 24. All visual types are supported for depth 8, and TrueColor vis?

ual is supported for the other depths. Multi-head configurations are

supported.

SUPPORTED HARDWARE

The fbdev driver supports all hardware where a framebuffer driver is available. fbdev uses the os-specific submodule fbdevhw(4) to talk to the kernel device driver. Currently a fbdevhw module is available for linux.

CONFIGURATION DETAILS

Please refer to xorg.conf(5) for general configuration details. This section only covers configuration details specific to this driver.

For this driver it is not required to specify modes in the screen sec? tion of the config file. The fbdev driver can pick up the currently used video mode from the framebuffer driver and will use it if there are no video modes configured.

For PCI boards you might have to add a BusID line to the Device sec? tion. See above for a sample line.

The following driver Options are supported:

Option "fbdev" "string"

The framebuffer device to use. Default: /dev/fb0.

Option "ShadowFB" "boolean"

Enable or disable use of the shadow framebuffer layer. Mandatory for 24bpp framebuffers on newer servers. Default: on.

Option "Rotate" "string"

Enable rotation of the display. The supported values are "CW" (clockwise, 90 degrees), "UD" (upside down, 180 degrees) and "CCW" (counter clockwise, 270 degrees). Implies use of the

shadow framebuffer layer. Disabled for 24bpp framebuffers. De?

fault: off.

SEE ALSO

Xorg(1), xorg.conf(5), Xserver(1), X(7), fbdevhw(4)

AUTHORS

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