Information for Number Nine I128 Users

The XFree86 Project Inc.

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1. Supported hardware

The current accelerated I128 server supports

- Imagine 128 (I128 with Texas Instruments TVP3025 or IBM528 RAMDAC). It has been tested with with 4MB of VRAM.
- Imagine 128 Ticket 2 Ride (I128-T2R with IBM526 or 528 RAMDAC). It has been tested with 4 MB and 8 MB of VRAM and DRAM.
- Imagine 128 Revolution 3D (I128-R3D with IBM526 RAMDAC). It has been tested with 4 MB, 8 MB, and 16 MB of WRAM or SGRAM.
- Imagine 128 Revolution IV (I128-R4 with SILVERHAMMER RAMDAC). It has been tested with 32 MB.

2. Features:

- uses linear frame buffer
- Resolutions up to the maximum supported by the card should be possible.
- 8 bpp, 16 bpp (depth 15 and 16), and 32 bpp (depth 24, sparse) are supported.
- supports RGB Sync-on-Green
- Makes use of the graphics accelerator.

3. Configuration:

The I128 driver should auto-detect all supported hardware so you needn't have anything other than the Identifier in the Section "Device" of the XF86Config file. When running the XF86Setup or xf86config programs one merely needs to select an I128 card so that the correct server will be used. One need not and should not specify a RAMDAC, clockchip or allow the setup program to probe for clocks. The driver will auto-detect the amount of video ram present.

The following Section "Device" options are supported by the I128 driver:

- Option "Dac6Bit"

  Will enable 6-bit DAC support.
- Option "NoAccel"

  Will disable all hardware acceleration.

- Option "SyncOnGreen"

  Will enable syncing on green for sync-on-green monitors (these are typically fixed frequency workstation monitors).

4. Mode lines for the Silicon Graphics flat panel display:

- These mode lines are required for use with the T2R4 (Rev 4) and the Silicon Graphics Flat Panel display.
- Modeline "1600x1024d32" 103.125 1600 1600 1656 1664 1024 1024 1029 1030 HSkew 7 +Hsync +Vsync
- Modeline "1600x1024d16" 103.125 1600 1600 1656 1664 1024 1024 1029 1030 HSkew 5 +Hsync +Vsync
- Modeline "1600x1024d08" 103.125 1600 1600 1656 1664 1024 1024 1029 1030 HSkew 1 +Hsync +Vsync
- Modeline "800x512d32" 54.375 800 800 840 848 512 512 514 515 HSkew 7 DoubleScan +Hsync +Vsync
- Modeline "800x512d16" 54.375 800 800 840 848 512 512 514 515 HSkew 5 DoubleScan +Hsync +Vsync
- Modeline "800x512d08" 54.375 800 800 840 848 512 512 514 515 HSkew 1 DoubleScan +Hsync +Vsync
- These lines are required for use with the SGI Multilink Adapter and the SiliconGraphics Flat Panel display.
- Modeline "1600x1024g" 108.0 1600 1616 1656 1704 1024 1027 1030 1056 -Hsync -Vsync
- Option "OverridePolarity" "1"

5. Author(s)

Robin Cutshaw, <robin@XFree86.Org>

and special help from:

- Galen Brooks, <galen@interlabs.com>

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`$XFree86: xc/programs/Xserver/hw/xfree86/doc/sgml/I128.sgml,v 1.6 2000/12/13 01:55:47 robin Exp $`