A2410 University of Lowell High Resolution Graphics Display Card

Here you can find some of the information I've found surfing around the internet about the A2410 Card. Apparently this card has been created to fill the need of higher resolution and more colors for the Amiga Unix. The card is based on the TI TMS34010 Graphics Co-Processor running at 50Mhz. This allow to display high-resolution graphics with up to 1024x1024 pixels.

The card support Amiga Autoconfig and is a full Zorro II with DMA interface, equipped with 2 MB 100ns ZIP VRAM on-board memory (1Mb video frame buffer, .75Mb program overlay, 0.25 Mb overlay bitplanes). The card only support 8 bitplane regardless of the resolution.

The board feature 2 oscillators. Depending on the oscillators you install you can have the following resolutions:

Resolution	Oscillator
640 x 400 x 8 Interlace	14.318 Mhz
800 x 600 x 8 Non interlace	36.000 Mhz
1024 x 768 x 8 Interlace	44.98 Mhz
1024 x 768 x 8 Non interlace	66.667 Mhz
1024 x 1024 x 8 Interlace	80.00 Mhz

The default settings are:
OSC1 = 36.000 Mhz
OSC2 = 66.667 Mhz

Software

Unfortunatly I bought a second hand card, so I do not know exacly what was on the original disk. Definitly the LoadTIGA command, the A2410.device and the A2410.symbols.

The card was directly sopported by the **Amiga Unix SVR4 X11R4** from the X-Windows R4.
It seems there is also a "Saver" for ADPro to display picture directly on the TIGA.

As far as I know the best way to use this card is the EGS System (available on Aminet, gfx/board). There is (always on Aminet) an EGS driver for the A2410 made by Juergen Schober that enables you to use the TIGA board with the EGS System.

There is also a Cybergraphx driver, but there is no Picasso96 support.

All the developer stuff was available on the CATS CD and on some DevCon disk. Those information is available on the latest Amga Developer CD. Mark Knibbs sent me a copy of the DevCon disks.

For more info have a look at Aminet and at The Point Design

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