

LAX100 PCI Express Graphics Card

with optional EXT-LAX100 Daughterboard

CHIPSET

- AXELL AG10 graphics chip

MEMORY

- Integrated 512Mbit Video RAM (VRAM) on the graphics chip

PCI EXPRESS INTERFACE

- PCI Express x1 interface
- Compliant with PCI Express 1.1

2D DRAW ENGINE

- Low power hardware acceleration 2D engine

DRAW FUNCTIONS

- BLT functions
- Primitive drawing functions (point, line, triangle, rectangle)
- Triangle texture mapping
- Rectangle and triangle gradation drawing
- Pixel blending (alpha blending, raster operation)
- Stencil operation

DRAW CAPABILITY

- Supports 16,777,216 colors

DISPLAY RESOLUTIONS

- Maximum 1920 x 1200 dots, 60Hz (when a single screen is displayed)
 - A screen of this resolution can be displayed together with a screen of 640 x 480 dots or smaller (total of two screens)
- Maximum 1280 x 1024 dots, 60Hz (when three screens are displayed)
- Maximum 1024 x 768 dots, 60Hz (when four screens are displayed)

DISPLAY FEATURES

- Overlay (bilinear scaling, four independent displays)
- Hardware cursor (8 bit gradation stencil operation, four independent displays)

VIDEO OUTPUT INTERFACE

- 1 DB-15 analog VGA port
- 1 24-pin digital DVI-D port
- 3 LVDS outputs
- 1 80-pin connector for the optional EXT-LAX100 daughterboard
 - Sil164 HDMI transmitter
 - Sil7170 DVI transmitter
 - 2 HDMI ports
 - 1 24-pin digital DVI-D port
- PCB dimensions: 10cm (3.94") x 90cm (35.5")

Note: The board supports either the EXT-LAX100 daughterboard or the LVDS outputs. It will not support LVDS once you have connected the daughterboard,

TEMPERATURE

- 0°C to 60°C

HUMIDITY

- 10% to 90%

PCB DIMENSIONS

- 12cm (4.7") x 6.9cm (2.7")

