

## 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
- 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: 100mm (3.94") x 90mm (3.55")

### TEMPERATURE

- 0°C to 60°C

### HUMIDITY

- 10% to 90%

### PCB DIMENSIONS

- 120mm (4.7") x 69mm (2.7")

