

ALR-I400

The Digital View ALR-1400 interface controller for cost-effective, high reliability monitor applications.

The ALR-1400 is a small footprint, highly integrated interface controller with both DVI and Analog RGB inputs. Capable of supporting 4:3 format panels at up to SXGA and 16:9 format panels up to WXGA, the ALR -1400 also provides built-in LVDS and dual or single pixel TTL interfaces to address today's current LCD panels.

Panel Connectivity

TFT:

- 1366x768
- 1280x768
- 800x600
- 1280x1024
- 1024x768
- 640x480

Input

Analog RGB: •60Hz at SXGA, WXGA, XGA, SVGA, VGA

DVI: •60Hz at SXGA, WXGA, XGA, SVGA, VGA

With auto detect of Digital Separate Sync, Sync-On-Green & Composite Sync. Auto detects VGA ~ SXGA interlaced & non-interlaced.

Reliability

Calculated Mean Time Between Failures - In excess of 200,000 hours. **Warranty** - 3 years.

Custom Engineering Services - custom input timing, panel timing, splash screen, OSD Menu, conformal coatings, layouts etc.

Features

Colors: Up to 8 bit per color, ie 16.7 million colors.

Functions: On Screen Display (OSD) menu.

Function Controls: External buttons, Serial Port control.

Image Scaling: Up scaling to fit input to panel resolution.

Image Control: Brightness, Contrast, RGB adjust, Color temperature.

Other Features: OSD position, timeout, factory reset, input source select.

Dimensions: 107mm x 92mm (4.2" x 3.6")

Form Factor: DV standard & mounting holes.

Power Requirements: 12V DC, 4W (controller only)

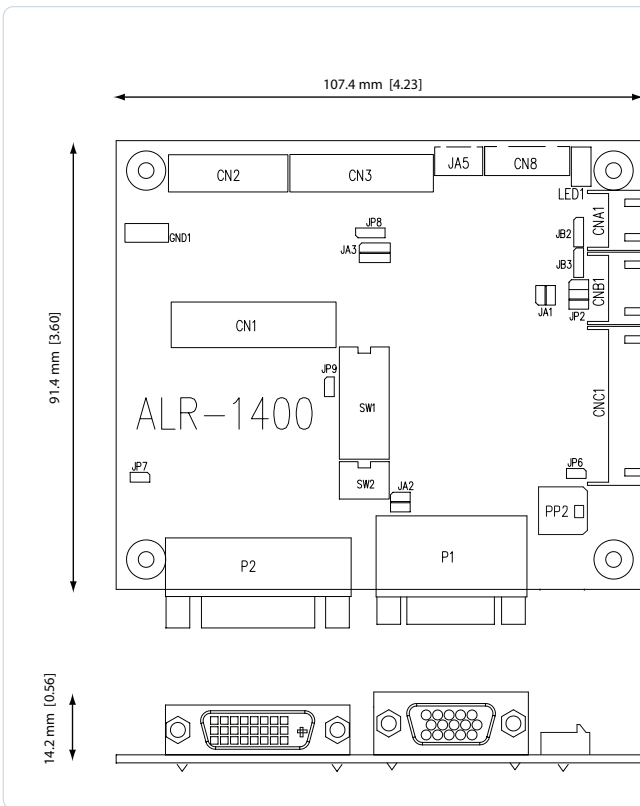
Panel Power: Supports 3.3V, 5V & 12V panels.

Panel Signal: TTL & LVDS.

Inverter Support: DPMS Enable pin (5V or 12V)

Plug & Play: DDC 1,2/b compatible

Status Indicator: Dual color LED support.



Connector Definitions

CN1	LVDS panel signal
CN2	TTL panel signal
CN3	TTL panel signal
CN8	Serial control (for firmware programming or serial control use only)
CNA1	Auxiliary power output
CNB1	Backlight inverter
CNC1	Function controls
JA5	External panel power input
LED1	Dual color LED connector
P1	ARGB signal input
P2	DVI-D signal input
PP2	43650-0200 Molex compatible connector

Accessories

Kit 60109	OSD Membrane Kit
Kit 60120	OSD Membrane Kit
Kit 60124	OSD Membrane Kit
416040010-3	Inverter Interface Board

Available Documentation

- * Instruction Manual
- * MTBF Analysis

*See accessories page on website for details.

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