

## ALR-1400

PC, DVI Interface  
for TFT panels

### FEATURES

- Supports VGA ~ SXGA in 4:3 format
- Supports 16:9 format panels up to WXGA
- Supports both DVI and Analog RGB inputs
- Functions display



### INTRODUCTION:

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 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

### SPECIFICATIONS

#### 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 Synchronisation. Auto detects VGA interlaced & non-interlaced.

#### Reliability:

**Calculated MeanTime Between Failures** - In excess of 200,000 hours.

#### Colours:

Up to 8 bit per colour, ie 16.7 million colours.

#### 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, Colour Temperature.

#### Other features:

OSD position, timeout, Factory reset, input source select.

#### Dimensions:

107mm x 92mm.

#### 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).

#### Status Indicator:

Dual colour LED support