



ALT-1920 LCD Controller Board for Full-HD

Compact, highly reliable and supporting three popular input formats up to Full-HD for LCD panels with a resolutions of up to Full-HD.

Key Features:

- » Inputs: HDMI, DisplayPort, VGA (ARGB)
- » Up to 1920 x 1200 input / Up to 1920 x 1200 LCD panels
- » LVDS panel connection @60Hz
- » Low latency, line memory buffer
- » RS-232, IR for commands & control
- » Part number: 41764001x-3

Panel Connectivity

LVDS (dual channel):	up to 1920 x 1200 @60Hz
Panel resolutions:	supports standard panel resolutions from 640 x 480 up to 1920 x 1200. Customization options for other resolutions

Input

HDMI 1.3:	60Hz up to 1920 x 1200
DisplayPort 1.2a:	60Hz up to 1920 x 1200
VGA (ARGB):	60Hz up to 1920 x 1200

Reliability

Calculated MTBF:	In excess of 200,000 hours
Warranty:	3 years

Features

Colors:	Up to 8 bit per color, ie 16.7m colors
Function Display:	On Screen Display (OSD) menu
Function Controls:	External buttons, Infra-Red control, Serial Port control, DDC/CI, optional Ethernet control with IP-60
Image Scaling:	Up / Down scaling to fit input to panel resolution
Image Control:	Black level, Contrast, Color Temperature, Sharpness, Clock, Phase, Gamma
Other Features:	System Information, Scaling to fill screen or scale to 4:3 format, Programmable hotkeys, Factory Reset, Ambient light sensor support, OSD menu transparency, DDC-CI support, OSD menu orientation, OSD position, Language, Auto picture setup, Auto RGB calibration, Load factory defaults, Auto source seek, Volume
Power:	+12VDC / +24VDC ±5%, 4W (controller only) Ceramic capacitors. Consumption: ~2.5W operating, 1.3~1.5W standby
Panel Power:	Supports 3.3V, 5V, 12V & 18V panels
Inverter Support:	DPMS Enable pin (3.3V or 5V), PWM
Plug & Play:	DDC 1,2/b compatible
Status Indicator:	Dual color LED support for controller status
Audio:	Digital Audio SPDIF Analog line-out, with volume control, no amplification
Custom options:	Panel timing, Splash screen, OSD menu items, Hardware changes, Conformal coatings

