



DD-1920-HDMI-EDPT

4mm thick Full-HD LCD controller

The DD-1920-HDMI-EDPT LCD controller is similar to the DD-1290-HDMI and DD-1920-HDMI-T LCD controllers - redesigned to provide connectivity for eDP interface LCD panels.

Connectivity for 8 bit LCD panels up to 1920x1200 resolution with LVDS input it provides HDMI input via a micro-HDMI connector. Both standard and custom panel and input resolutions are supported.

Key Features:

- » Up to 1920x1200 input / Up to 1920x1200 LCD panels
- » HDMI 1.4, Micro-HDMI connector (standard size as build option)
- » eDP panel connection @60Hz
- » Very low latency
- » RS-232, I²C for command & control
- » Part number: 4176600xx-3

Panel Connectivity

eDP Up to 1920 x 1200 @60Hz

Panel Timing: Mini-dip switch select

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

Standard and custom panel resolutions are supported up to the maximum resolution noted above.

Input

HDMI 1.4 60Hz up to 1920x1200
75Hz up to 1280x1024

Note: Uses Micro-HDMI connector (standard size is available as build option)

Reliability

Calculated MTBF: In excess of 250,000 hours

Warranty: 3 years

Features

Colors: Up to 8 bit per color

Function Display: On Screen Display (OSD) menu

Function Controls: External buttons, Infra-Red controls, Serial Port

Image Scaling: Up / Down scaling to fit input to panel resolution

Image Control: Brightness, Contrast, Color Temperature, Image position, Saturation, Hue, Sharpness

Other functions: Audio volume

Communication: RS-232, I²C

Firmware upgrade: RS-232, Smart-ISP

Power: +12VDC / +24VDC ±5%, 10W (controller only)

Backlight Support: DPMS Enable pin (3.3V or 5V), PWM

Plug & Play: DDC 1,2/b compatible

Status Indicator: Dual color LED support

Audio: Stereo line-out

Size: 91.4mm x 91.4mm x 4mm

