

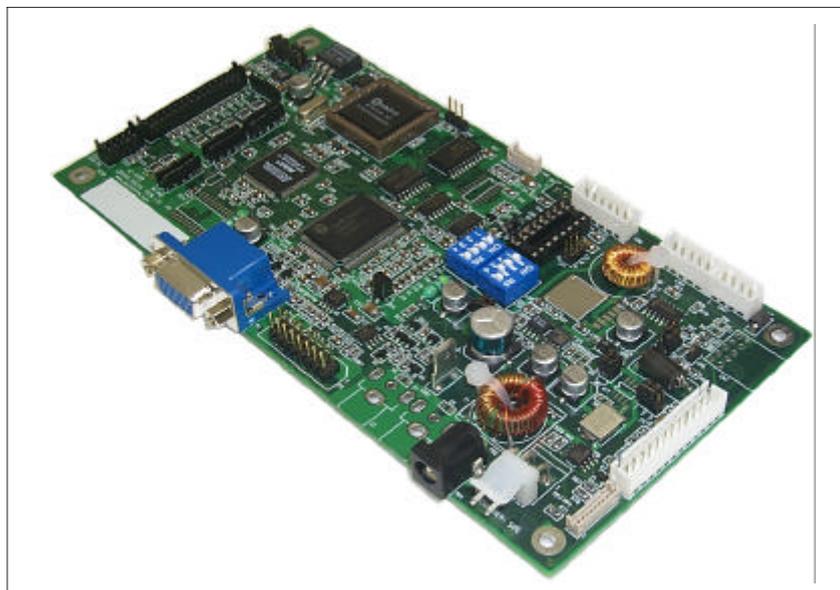
Introduction

Digital View small form factor interface controller for OEM monitor and packaged flat panel solutions.

Panels: TFT colour - 640 x 480
Input: Analog VGA

The AC-9512 VGA provides rapid direct analog VGA connection for a wide range of TFT LCD panels with resolutions of 640x480. The AC-9512 VGA is a compact high performance single board solution providing built in support for all major VGA panels with simple mini dip switch selection.

A key feature of Digital View flat panel interface controllers are their excellent stability, extensive features and cost effective performance.



Specifications

- **Connectivity:** VGA analog.
- **Graphics modes:** VGA .
- **Panel resolutions:** 640 x 480
- **LCD compatibility:** TFT, 3.3V & 5V (see table overleaf) LVDS option.
- **Colour support:** Up to 8 bit per colour, ie 16.7million colours.
- **Controls - Display:** On Screen Display (OSD) of functions.
- **Controls - Functions:** Brightness, Contrast, Tuning, Hori position, Vert position, Image size.
- **Dimensions:** 178mm x 91.5 mm x 20mm max (7" x 3.6" x 0.8") approx.
- **Mounting holes:** Digital View standard.
- **Connectors:** See connector reference overleaf.
- **Power requirements:** 12V DC.
- **Power/signal protection:** Fuse and power sequencing.
- **Power load:** For On/Off handled by on board circuitry.
- **Memory:** Settings are stored in non-volatile memory.
- **Plug & Play support:** To DDC-2B.
- **VESA DPMS power saving:** Supported.
- **Status indicator:** LED for power on & standby.
- **Auxilliary power output.**

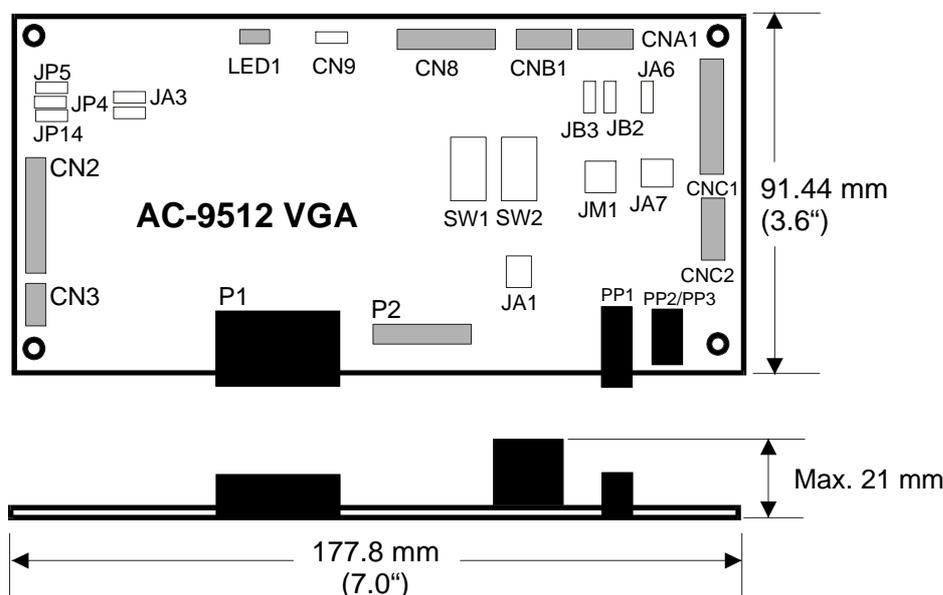
Panel Compatibility Guide

Ref	Panel type
Hosiden	TFT
LG	TFT
Mitsubishi	TFT
NEC	TFT
Sharp	TFT

Order Information

Item	Description
1	AC-9512 VGA controller
2	Panel signal cable & connector kit
3	Panel power supply & cables kit
4	Function controls & cables kit
5	LVDS, TMDS interface options
6	Status LED kit
7	PC to controller graphics cable
8	AC/DC adapter with +12V DC output

Support for the above panels (and more as they become available) is being introduced progressively, please check at the time of placing orders for specific compatibility.



Notes:

- Dimensions are in mm and (mil).
- PCB mounting holes connect to ground.
- PCB mounting holes are 3.2mm.
- Other mounting holes for inverter are not grounded.
- Drawing is not to scale.

Connector reference

CN2	Panel connector, Hirose DF11-32DP-2DSA	P1	15 way for VGA input
CN3	Panel connector, Hirose DF11-10DP-2DSA	P2	DC power in connector 2.5mm power jack
CN8	RS-232 serial : JST B4B-XH-A	PP1	Main power in, 2.5mm DC jack
CNA1	Auxiliary power connector, JST B4B-XH-A	PP2	8x2 pin header DIL, 0.1"
CNB1	Backlight inverter connector, JST B5B-XH-A		
CNC1	OSD control connector, JST B12B-XH-A		
CNC2	OSD control connector, Hirose DF13-9P-1.25DSA		

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