Digital View

AC-9511 v.3
LCD Interface controller for VGA ~ SVGA

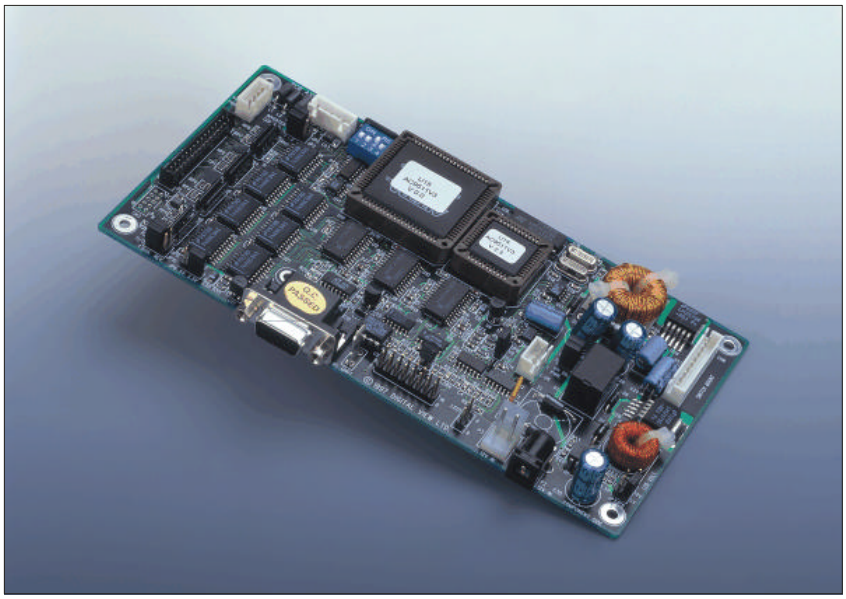
Introduction

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

Panels: TFT colour - 640 x 480, 800 x 600
Input: Analog VGA & SVGA

The AC-9511 v.3 provides rapid direct analog VGA~SVGA connection for a wide range of TFT LCD panels with resolutions of 640x480 and 800x600. The AC-9511 v.3 is a compact high performance single board solution providing built in support for all major VGA & SVGA 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 and SVGA analog.
- **Graphics modes**: VGA~SVGA auto detect.
- **Panel resolutions**: 640 x 480, 800 x 600.
- **LCD compatibility**: TFT, 3.3V & 5V (see table overleaf) with Panelink™ or LVDS option.
- **Colour support**: Up to 8 bit per colour, ie 16.7million colours.
- **Controls - Display**: On Screen Display (OSD) of functions.
- **Controls - Functions**: On/Off, Brightness, Contrast, Image position, Phase.
- **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.

Configurations & Accessories

- AC-9511 v.3 with make & model of LCD to be used (see table overleaf)
- Cable(s) from AC-9511 v.3 to LCD & backlight
- Cable from AC-9511 v.3 to VGA port
- Backlight inverter with cables
- Touch panel
- Housings: Desktop, Industrial, Open frame
- Power supply

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Panel Compatibility Guide

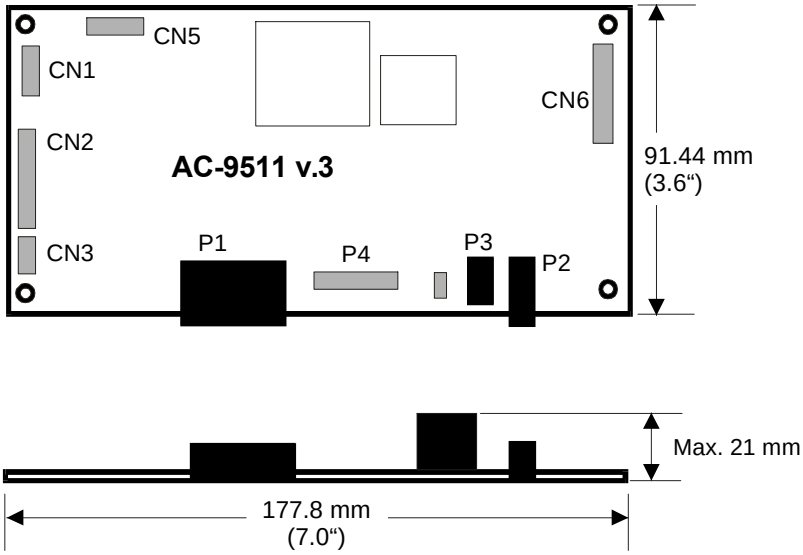
Ref	Panel type
Fujitsu	TFT
Hitachi	TFT
Hosiden	TFT
LG (Goldstar)	TFT
Matsushita	TFT
NEC	TFT
Samsung	TFT
Sharp	TFT
Toshiba	TFT

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.

Order Information

Part # ref	Description
410687700	AC-9511 v.3 controller
401xx	Connector & cable: to panel
4206811xx	Cable: AC-9511 v.3 to PC
5010x	Backlight inverter & cables
6010x	Function controls & cables
500000500	Power supply: 110~240V AC input
DV-6000	Open frame housing
35068xxxx	Touch panel & controller
400xxxxxx	Panel

Variable xx is dependent on the panel selected and current version



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

CN1	4 pin JST for 5/12V output	P1	15 way D shell for VGA input
CN2	32 pin HIROSE for LCD signal	P2	5.5mm phono jack for 12 V DC supply
CN3	10 pin HIROSE for 8 bit LCD	P3	Alternative Molex pwr in
CN4	3 pin JST - reserved	P4	8x2 pin header DIL, 0.1“
CN5	5 pin JST for backlight inverter		
CN6	10 pin JST for control switch		

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Please visit our Web site for more information: **www.digitalview.com**

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