

Introduction

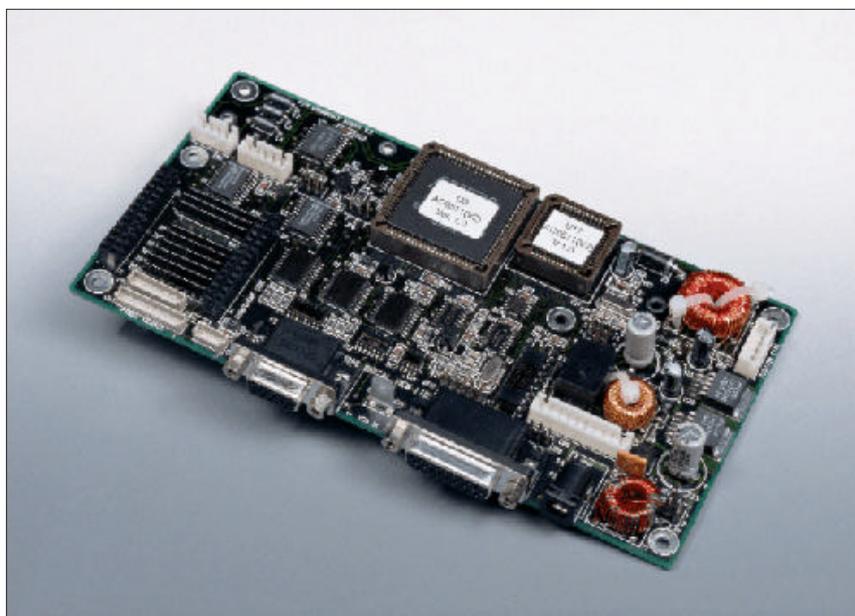
Digital View interface controller for OEM monitor and packaged flat panel solutions.

Panels: TFT colour - 640 x 480

Input: Analog VGA

The AC-9511 VGA provides rapid direct analog VGA connection for a wide range of TFT LCD panels with a resolution of 640x480. The AC-9511 VGA is a compact high performance single board solution providing built in support for a wide range of VGA panels with simple jumper selection.

Key features of Digital View flat panel interface controllers include excellent picture quality, ease of use, extensive features and cost effective performance.



Specifications

- **Connectivity:** VGA analog.
- **Graphics modes:** VGA auto detect.
- **Panel resolutions:** 640 x 480.
- **LCD compatibility:** TFT, 3.3V & 5V (see table overleaf).
- **Colour support:** Up to 6 bit per colour, ie 262,144 colours.
- **Controls - Display:** On Screen Display (OSD) of functions.
- **Controls - Functions:** On/Off, Brightness, Contrast, Image position, Phase, Size (dpi).
- **Dimensions:** 178mm x 91.5 mm x 20mm max (7" x 3.6" x 0.8").
- **Mounting holes:** Digital View standard
- **Connectors:** See connector reference overleaf.
- **Power requirements:** 12V DC.
- **Power saving:** VESA DPMS supported.
- **Power/signal protection:** Fuse & power sequencing.
- **Power load:** For On/Off handled by on board circuitry.
- **Memory:** Settings are stored in non-volatile memory.
- Auxiliary power output.

Configurations & Accessories

- AC-9511 VGA controller.
- Cable(s) to panel & backlight.
- Cable to computer.
- Backlight inverter with cables.
- Touch panel.
- Housings: Desktop, Industrial, Open frame.
- Power supply.

Panel Compatibility Guide

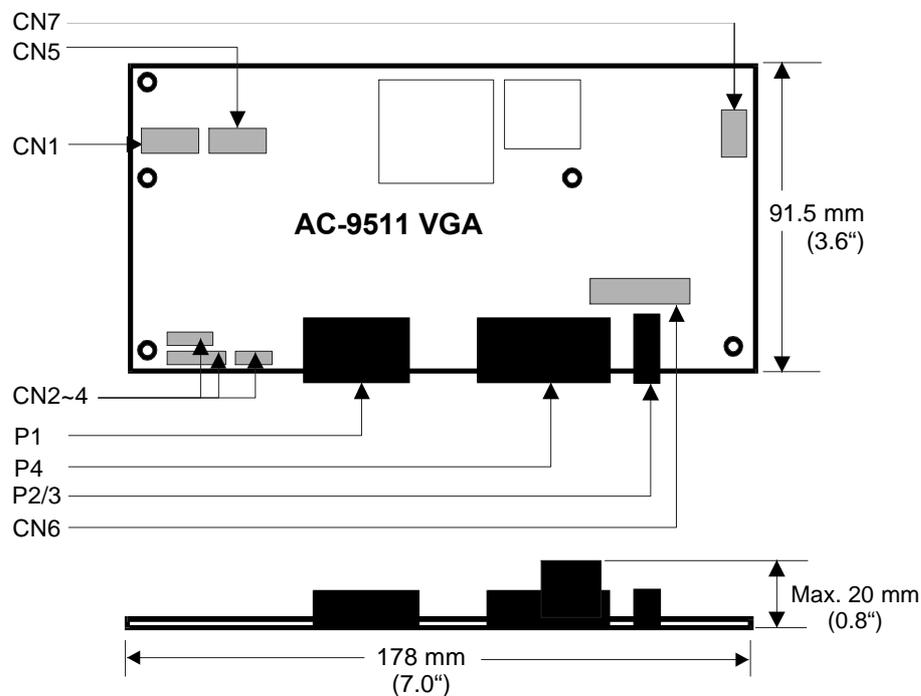
Ref	Panel type
Fujitsu	TFT
Hitachi	TFT
Hosiden	TFT
LG (Goldstar)	TFT
Matsushita	TFT
NEC	TFT
Samsung	TFT
Sharp	TFT
Toshiba	TFT

Order Information

Part # ref	Description
410689000	AC-9511 VGA controller
401xx	Cable & connector to LCD
42068xxxx	Cable: Controller to PC
5010x	Backlight inverter & cables
6010x	Function controls & cables
500000500	Power supply: 110~240VAC input
variable	Open frame housing
35068xxxx	Touch panel & controller
400xxxxxx	Panel

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

Variable xx is dependent on the panel selected and current version



Notes:
 - Dimensions are in mm and (inches).
 - 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	12 pin HIROSE for LCD signal	P2	5.5mm phono jack for 12 V DC supply
CN3	15 pin HIROSE for LCD signal	P3	Location for alternative Molex pwr in
CN4	6 pin HIROSE for LCD signal	P4	26 way D shell for VGA input
CN5	5 pin JST for backlight inverter		
CN6	10 pin JST for control switch		
CN7	5 pin JST for position controls		

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