



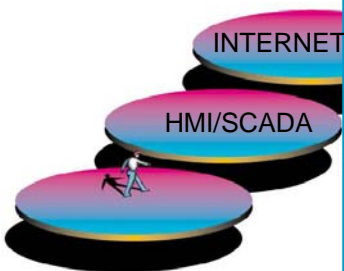
AL80CE-HMI Windows CE 8.0" VGA TFT Color Touchscreen with Web Studio

S O P H I S T I C A T E D ® A U T O M A T I O N

Cost-effective SCADA / HMI for small-to-large size projects.



Same development environment for creating Windows NT/2000/XP/CE and Web applications



Web - Ready SCADA

**Introduction**

The WinCE 8.0" VGA TFT Color Touchscreen is designer for small size Operator Interface. It is fully supporting Web Studio SCADA software.

It has RISC kernel, the CIRRUS LOGIC EP9315 200MHz processor. It has a memory management unit (MMU), that supports Windows CE. The ARM920T's 32-bit microcontroller architecture, with a five-stage pipeline, delivers impressive performance at very low power. The EP9315 includes a hardware graphics acceleration engine that improves graphic performance and loads off graphics operations from the processor.



WinCE 8.0" VGA TFT Touchscreen with Web Studio SCADA application

**Specifications**

- **Construction:** plastic molding housing
  - **Display:** 8.0" VGA Color TFT LCD
  - **CPU and core logic:** CIRRUS LOGIC® EP9315 200MHz ARM920T core processor
  - **DRAM:** 64 MB on board
  - **Storage:** 32 MB flash memory on board, 1 CompactFlash™ card slot, 44-pin IDE interface (Hard drive, D.O.M.)
  - **I/O:** 3 serial ports (2 physical): Com1: RS-232/RS-485 2w/4w, Com2: RS-232, Com3: RS-232/RS-485 2w
  - 1 Ethernet port (10/100Base-T)
  - 3 USB 2.0 full-speed host (12Mbps)
  - **Sound output:** 20-bits Stereo output
  - **RTC:** Built-in
  - **Power input:** 24 VDC, 440 mA maximum
  - **Dimension (W x H x D):** 240 x 178.73 x 50mm
  - **Weight:** about 1.5kg
  - **Fan-less** cooling system
  - **Windows CE .NET 4.20** OS ready installed
- Web Studio SCADA*

- Fully supports **Web Studio SCADA**
- >200 Communication drivers
- Easy to use – but very effective Windows NT/2000/XP development environment.

*LCD Display*

Display type	TFT Color LCD
Display size (diagonal)	8.0"
Max colors	65536
Resolution	640 x 480
Pixel pitch (HxV,mm)	0.2535 x 0.2535
Viewing angle (°)	55/65 (upper+lower), 65/65 (left+right)
Luminance (cd/m <sup>2</sup> )	400
Backlight	CCFL x1 /50,000 hours
Contrast ratio	250:1

*Touchscreen*

Type	4-wire, analog resistive
Resolution	Continuous
Light transmission	Above 80%
Life	1 million activation minim.

*Environmental*

Storage temperature	-20 ~ 70 °C
Operating temperature	0 ~45 °C
Relative humidity	10% ~ 90% @ 40°C, non-condensing
Shock (operation)	10 to 25Hz (x,y,z direction) 2G 30 minutes
EMI	Complies with FCC class A
CE	Complies with EN50081-2 and EN50082-2 standards
Enclosure (Front panel)	NEMA 4 / IP 65

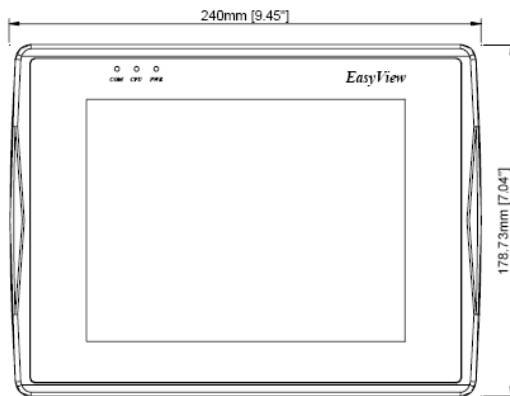
Web Studio – CE View



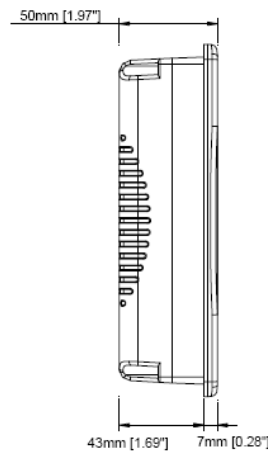
THE AUTOLOG® FAMILY  
 AUTOLOG®PLC AUTOLOG®GSM AUTOLOG®OEM  
 AUTOLOG®RTU AUTOLOG®TETRA AUTOLOG®HMI



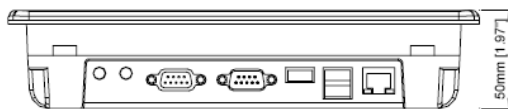
## AL80CE-HMI Windows CE 8.0" VGA TFT Color Touchscreen Dimensions



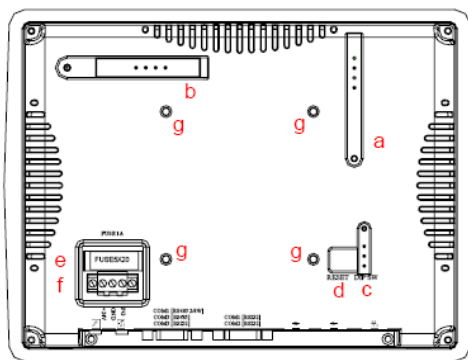
Front View



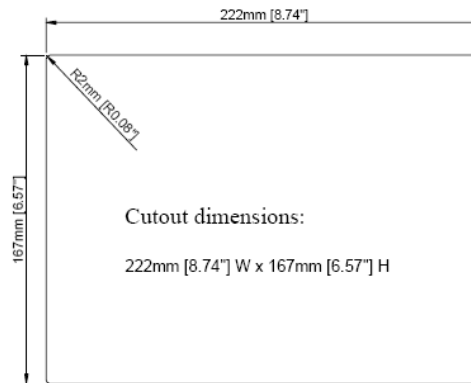
Side View



Bottom View



Rear View



a. CompactFlash™ slot	h. Ethernet port
b. 44pin IDE Interface	i. USB Host
c. DIP Switch	j. Com1 [RS-232]
d. Reset button	k. Com2 [RS-232]
e. Fuse	k. Com1 [RS-485 4/2w]
f. Power terminal	Com3 [RS232]/[RS485]
g. VESA 75mm screw holes	l. Mic In
	m. Line Out



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