

FDC-2030-TV3

Windows CE® touch panel Computer with 12.1" TFT LCD Display



Features

- **Display:** 12.1" diagonal, 800 x 600 resolution, 65,536 colors, TFT LCD
- **Windows CE.net®** embedded Operating System
- **All in One Platform:**
 Integrated CPU, 64MB DRAM, 32MB RAM & Windows CE.net® OS
- **Fan-less cooling system:**
- **Connectivity ports:** 2-Serial, 3-USB 2.0 and 1-Ethernet (10/100-T)
- **NEMA4/IP65 compliant front panel**
- **Memory:** On board 64MB DRAM, 32MB Flash Memory, One CompactFlash® slot and one 44-pin IDE interface that supports D.O.M and 2.5" hard disk

Introduction

The FDC-2030-TV3 is a compact touch panel computer with embedded Windows CE.net® operating system. Designed to operate in an industrial environment, it combines an affordable operator color touch screen interface with the power and versatility of the open Windows CE® platform.

Windows CE.net®, an open platform, allows versatility to select the HMI software [written for Windows CE], connect to the controllers/PLCs you use and/or create your own application using Microsoft® Visual Basic or 3rd party software development solutions.

The CIRRUS LOGIC EP9315 200MHz processor (CPU) includes a memory management unit (MMU) that supports the embedded open platform Windows CE.net®. The EP9315 CPU also includes a hardware graphics acceleration engine that improves graphic performance by handling block copy, block fill and hardware line draw operations.

Communication Ports: 2-Serial, 3-USB and 1-Ethernet.

Designed to require very low power the FDC-2030-TV2 offers Fan-less operation providing reliable operation & long life.

Environmental Specifications

- Operating temperatures: 0° ~ 45°C (32°F ~ 113°F)
- Relative Humidity: 10% ~ 90% @40°C, non-condensing.
- Shock (operation): 10 to 25Hz (X, Y & Z direction 2G 30 min)
- EMI: Complies with FCC class A
- CE: Complies with EN50081-2 and EN50082-2.
- UL: file # E305816
- Front panel meets IP65 / Nema 4x.

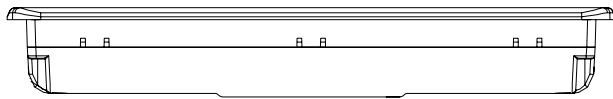
Touchscreen

- Type: 4-wire, analog resistive
- Resolution: continuous
- Light Transmission: above 80%
- Life: 1-million activation minimum

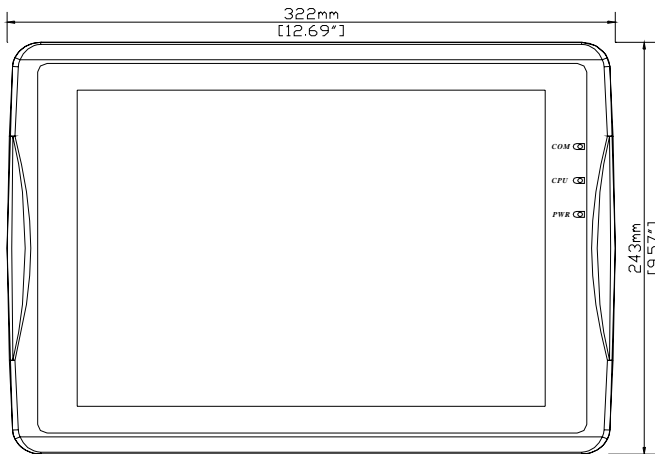
Display type	TFT LCD
Display size (diagonal / W x H)	12.1" diagonal W x H (9.75" x 7.37" / 247 x 187mm)
Maximum colors	65,536
Resolution	800 x 600
Pixel pitch (H x V)	0.3075 x 0.3075mm
Viewing angle (°)	95 (Upper/Lower), 120 (Left/Right)
Luminance (cd/m ²)	300
Storage temperature	-25 ~ 60°C (-13°F ~ 140°F)
Operating temperature	0 ~ 45°C (32°F ~ 113°F)
Backlight	CCFL x 2
Backlight life time	30,000 hrs.
Contrast ratio	200:1

Specifications

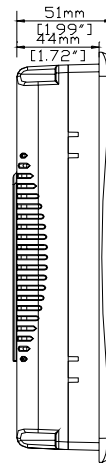
- Construction: Polybutylene Terephthalate (PBT) and Polycarbonate (PC)
- Display: 12.1" 800 x 600 65,536 color TFT LCD (9.75" W x 7.37" H)
- CPU & Core Logic: CIRRUS LOGIC EP9315 200MHz with ARM920T core processor
- DRAM (Dynamic RAM Memory): 64MB
- Storage: 64MB on-board Flash Memory
 1 CompactFlash® card slot
 44-pin IDE Interface
- I/O: 2-Serial Ports: Com1: RS232/RS485 2w/4w
 Com2: RS232 (programming only)
 Com3: RS-232/RS485 2w
 1 Ethernet port (10/100-T)
 3-USB 2.0 full-speed host (12Mbps)
- Sound Output: 20-bits Stereo output.
- Microphone Input: 1/8" jack mono
- RTC: Built-in (Real Time Clock)
- Power Input: 24VDC, 500mA continuous, 1A instantaneous
- Dimension (W x H x D): 322 x 243 x 51mm
 (12.69" x 9.57" x 1.99")
- Weight: Approx. 2.1g (4.6lbs)



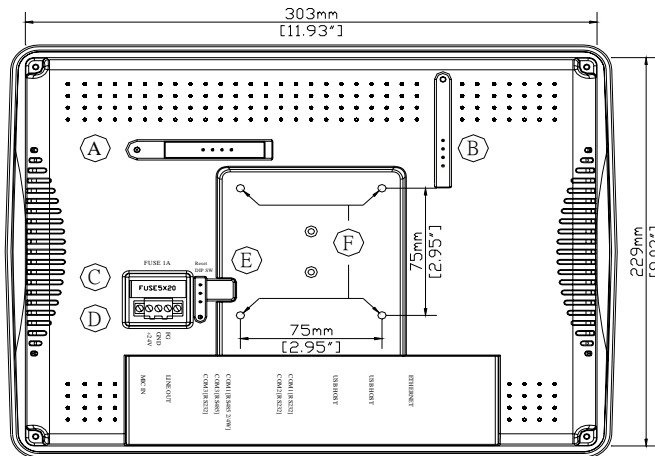
Top View



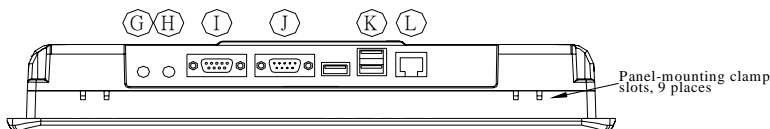
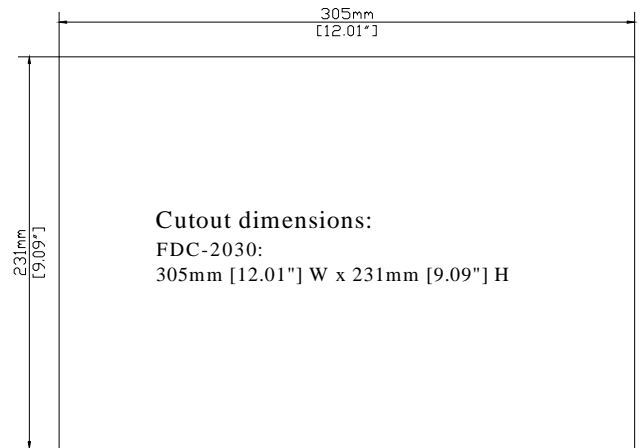
Front View



Side View



Rear View



Bottom View

a. 44 pin IDE Interface (DOM slot)	h. Line Out
b. Compact Flash™ Slot	i. Com1 [RS-485 4/2w] Com3 [RS232]/[RS485]
c. Fuse	j. Com1 [RS-232] Com2 [RS-232]
d. Power Connector	k. USB x 3
e. DIP Switch & Reset Button	
f. VESA 75mm screw holes	
g. Microphone In	l. Ethernet port 10/100 Base-T