

FDC-2020-TV3

Windows CE® touch panel Computer with 7.7" TFT LCD Display



Features

- **Display: 7.7" diagonal, 640 x 480 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 64 MB 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-2020-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.

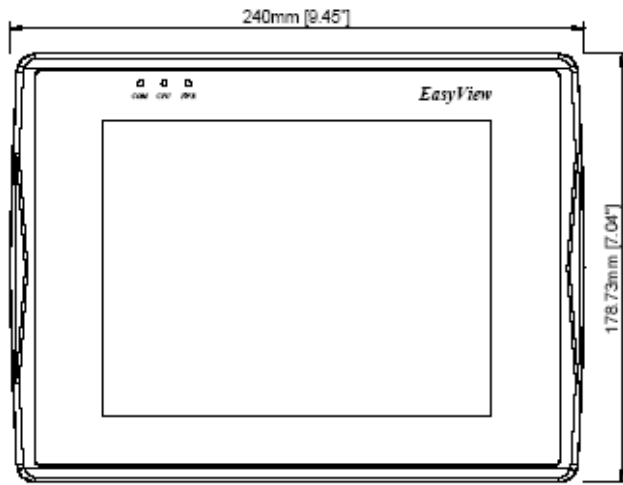
Communication Ports: 2-Serial, 3-USB and 1-Ethernet. Designed to require very low power the FDC-2020-TV2 offers Fan-less operation providing reliable operation & long life.

Display type	TFT LCD
Display size (diagonal / W x H)	7.7" diagonal W x H (6.1" x 4.6" / 155 x 117mm)
Maximum colors	65,536
Resolution	640 x 480
Pixel pitch (H x V)	0.2535 x 0.2535mm
Viewing angle (°)	55/65/65/65 (T/B/R/L)
Luminance (cd/m ²)	400
Storage temperature	-25 ~ 60°C (-13°F ~ 140°F)
Operating temperature	0 ~ 45°C (32°F ~ 113°F)
Backlight	CCFL x 1
Backlight life time	30,000 hrs.
Contrast ratio	250:1

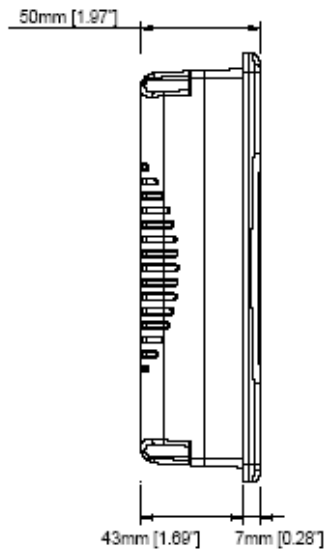
Specifications

- Construction: Polybutylene Terephthalate (PBT) and Polycarbonate (PC)
- Display: 7.7", 640 x 480 65,536 color TFT LCD (6.1" W x 4.6" H)
- CPU & Core Logic: CIRRUS LOGIC EP9315 200MHz with ARM920T core processor
- DRAM (Dynamic RAM Memory): 64MB
- Storage: 32MB 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): 240 x 179 x 50mm
 (9.45" x 7.04" x 1.97")
- Weight: Approx. 1.3kg (2.9lbs)

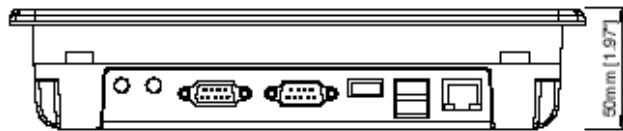
◆ **Dimensions Drawing**



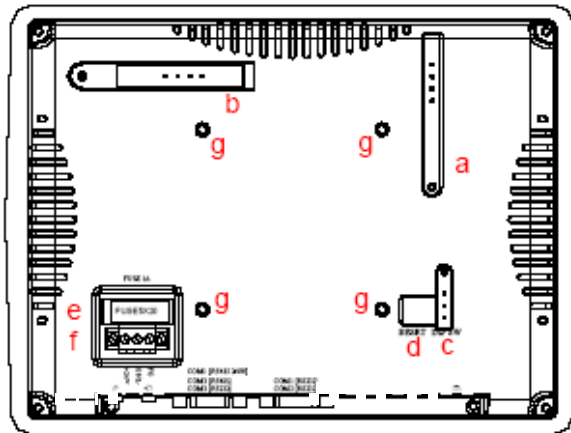
Front View



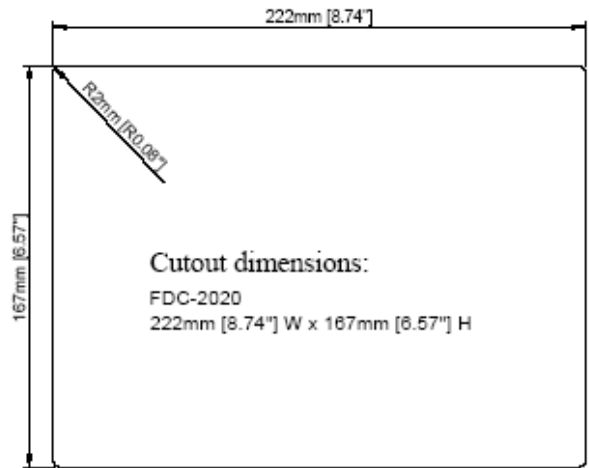
Side View



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	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