

FDC-200 TV3 Series




Windows CE® Touch Panel Computers

The FDC-200-TV3 Series Touch Panel Computers combines the convenience of an affordable operator interface color touch screen interface with the power and versatility of the open Windows CE® platform.

Windows CE.net®, an open system, allows versatility to select the HMI software (written for Windows CE), connect to controllers/PLC's you use and/or create your own application using Microsoft Visual Basic or 3rd party software development solutions.



- **Available TFT Display Size: 5.6", 8" and 12.1" diagonal; all with high brightness & contrast clarity**
- **All-in-One-Platform: Integrated CPU, 64MB DRAM, 32MB RAM & Windows CE.net® OS**
- **Fan-less Operation: Low power consumption provides reliable & long lifespan**
- **Unit Size: Slim at 50mm deep with robust plastic bezel providing Nema4X protection**
- **Powerful Communication Capability: Ethernet, Serial, USB, sound, IDE & Compact Flash ports**
 - 44-pin IDE interface [FDC-2020-TV2 / FDC-2030-TV2], supports D.O.M. and 2.5" Hard Disk

Model	2030	2020	2010
Picture			
Display	12.1" TFT	8" TFT	5.6" TFT
Brightness	300cd/m ²	400cd/m ²	500cd/m ²
Color	65536 color	65536 color	65536 color
Contrast Ratio	200:1	250:1	150:1
Resolution (WxH dots)	800 x 600	640 x 480	320 x 234
CCFL Life Time	50,000 hr.	50,000 hr.	30,000 hr.
Touch Panel	4 wires resistive type		
Touch Accuracy	2mm	2mm	1.5mm
I/O Port	Com1(RS232/RS485 2w/4w), Com2(RS232), Com3(RS232/RS485 2w)		
Ethernet Port	10/100 Base-T		
USB Host	USB 2.0 x 3	USB 2.0 x 3	USB 2.0 x 2
Audio	Line Out x 1, Mic x 1	Line Out x 1, Mic x 1	Line Out x 1
Processor	32 Bit RISC CPU 200MHz		
Flash Memory	32MB	32MB	64MB
DRAM	64MB		
Compact Flash card slot	Type I / Type II		
IDE Interface	44 Pins IDE Interface	44 Pins IDE Interface	N/A
RTC	Built-in Real Time Clock		

General Specification

Input Voltage	24VDC \pm 5%		
Power Consumption	500mA	440mA	370mA
CE	Complies with EN50081-2 and EN50082-2 standard		
FCC	Complies with FCC Class A		
Vibration endurance	10 to 25 Hz (X,Y,Z direction 2G 30minutes)		
Protection Structure	IP65 Front Panel (O ring seal)		
Operating Temperature	0-45°C (32-113°F)		
Storage Temperature	-20-60°C (-4-140°F)		
Enclosure	Plastic		
VESA screw holes	VESA 75x75mm	VESA 75x75mm	N/A
Dimensions WxHxD	322x243x51mm	240x179x50mm	204x150x48mm
Panel Cutout Dimensions	305x231mm(12"x9.09")	222x167mm(8.7"x6.5")	192x138mm(7.56"x5.43")
Weight	Approx. 2.1 Kg(4.63lbs)	Approx. 1.3 Kg(2.87lbs)	Approx. 0.85 Kg(1.87lbs)
Operating System	Windows CE.net 4.2/5.0/6.0		