

# FDC-MT615-XV1

## Touch Panel Computer with 15" SVGA TFT display Embedded Windows XP® or CE® operating systems



### Features

- 15.0" XGA TFT LCD
- AMD Geode™ LX800/500MHz core processor
- Fan-less cooling system
- Disk on module (DOM) with Embedded Windows XP or CE OS
- NEMA4/IP65 compliant front panel
- SDRAM : 256MB DDR-400MHz
- 44-pin IDE Interface and SD Card Slot
- 2 Year Warranty

### Introduction

The FDC-615-XV1 is a compact touch panel computer with embedded Windows XP® or CE.net® operating systems. Designed to operate in an industrial environment, it combines an affordable operator color touch screen interface with the power and versatility of Windows XP® or CE® platforms.

The x86 CPU Core provides compatibility with internet communication and the integration of multiple functions make the AMD Geode® LX processor a true system level multimedia solution.

Designed to require very low power the FDC-615-XV1 offers fan-less operation providing reliable operation & long life.

### LCD Display

Display type	TFT LCD
Display size (diagonal)	15.0"
Max colors	65,536 (16 Bit)
Resolution	1024 x 768
Viewing angle (°)	65/60/70/70 (T/B/R/L)
Luminance (cd/m <sup>2</sup> )	350
Backlight	Two x CCFLs
Backlight Life time (avg.)	50,000 Hrs
Contrast Ratio	550:1

### Specifications

- Construction: Polybutylene Terephthalate (PBT) and Polycarbonate (PC)
- CPU: AMD Geode® LX800/500MHz core processor
- Serial ports: Com1: RS-232/RS-485 2w/4w, Com2: RS-232, Com3: RS-232/RS-485 2w
- Ethernet port (10/100Base-T)
- 3 USB 2.0 full-speed host (12Mbps): 2 Standard & 1 Mini USB
- Sound output: AC'97 Stereo output (20 Bit)
- RTC: Built-in (Real Time Clock)
- Power input: 24 VDC, 1.6A maximum
- Dimension (W x H x D): 366 x 293 x 55 mm (14.41" x 11.54" x 2.32")
- Weight: Approx. 2.9kg (6.4 lb)

### Memory

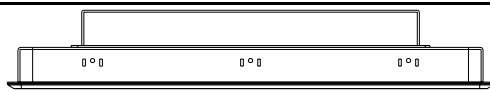
- SDRAM: 256MB (DDR-400MHz)
- 44-pin IDE interface
- SD Card Slot
- DOM (disk on module)
  - Windows XP® Embedded OS 2GB (~ 80MB for OS)
  - Windows CE® v5.0 Embedded OS 256MB

### Environmental Specifications

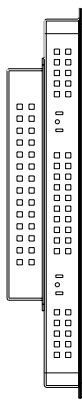
- Operating temperature: 0° ~ 45°C (32° ~ 113°F)
- Relative humidity: 10% ~ 90% @ 40°C, non-condensing
- Shock (operation): 10 to 25Hz(X,Y,Z direction 2G 30minutes)
- EMI: Complies with FCC class A
- CE: Complies with EN50081-2 and EN50082-2
- NEMA 4X / IP65: Front panel compliant
- UL: NRAQ / File #E305816

### Touchscreen

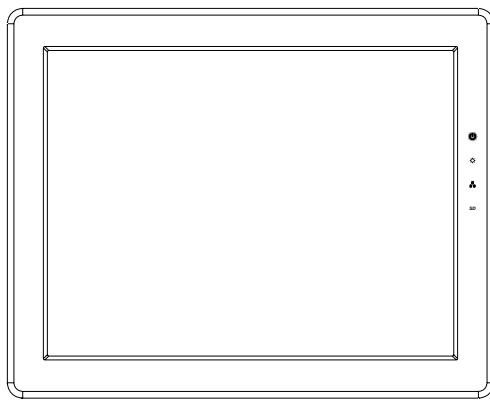
- Type: 4-wire, analog resistive  
 Touch Accuracy: Active Area Length (X)±2%, Width (Y)±2%
- Light transmission: above 80%
- Life: 1 million activation minimum



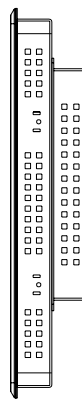
**Top View**



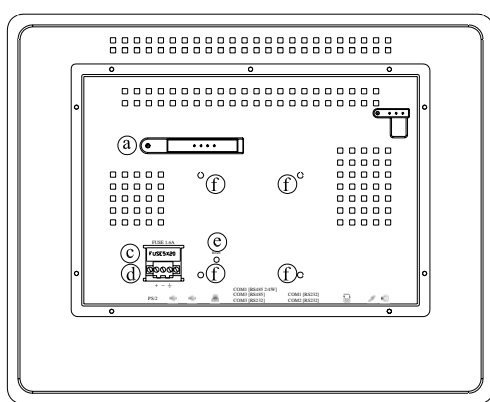
**Side View**



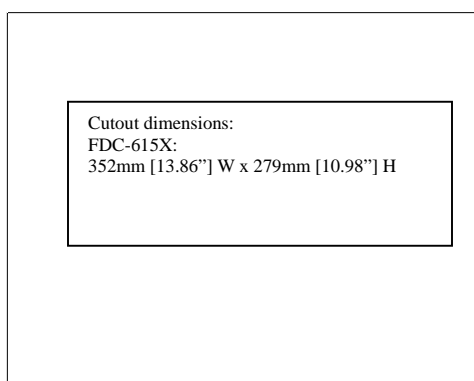
**Front View**



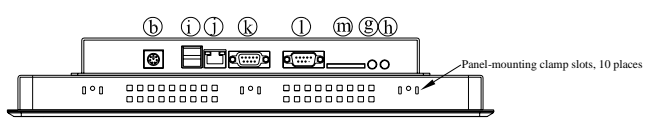
**Side View**



**Rear View**



Cutout dimensions:  
 FDC-615X:  
 352mm [13.86"] W x 279mm [10.98"] H



**Bottom View**

- |   |                          |   |                                    |
|---|--------------------------|---|------------------------------------|
| A | IDE interface (DOM slot) | H | Line Out                           |
| B | N/A                      | I | USB Host port x 2                  |
| C | Fuse                     | J | Ethernet port 10/100 Base-T        |
| D | Power connector          | K | Com1 RS485, Com3 RS485, Com3 RS232 |
| E | Reset button             | L | Com1 RS232, Com2 RS232             |
| F | VESA 75mm screw holes    | M | SD CARD SLOT                       |
| G | Mic In                   |   |                                    |

**Part Number Matrix / Information**

**FDC-615-XV1 -□□□□□ (enter 5 digit order code)**

**Matrix Codes**

<u>Order Code</u>	<u>Embedded Operating System</u>	<u>DOM Memory</u>
CE256	Windows CE® v5.0	(256 MB DOM* w/CE OS embedded)
XPE2G	Windows XP®	(2 GB DOM* w/XP OS embedded)

\*DOM is Disk on Module (microchip)

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