

MT615X

X86 CPU Core touch panel computer with 15.0" XGA TFT display



Features

- 15.0" XGA TFT LCD
- AMD Geode™ LX800/500MHz core processor speed
- Fan-less cooling system
- Disk on module and Windows CE OS inside or XPE OS inside
- NEMA4/IP65 compliant front panel
- On-Board 256MB DDR-400MHz SDRAM
- 44-pin IDE Interface
- High performance 2D accelerator graphic controller, support 8~64MB shared display memory
- Com1 RS485 supports MPI 187.5K

Introduction

The MT615X is a miniature and compact platform that has excellent system performance and function, The x86 CPU Core provides maximum compatibility with the vast amount of Internet content available while the intelligent integration of several other functions, including graphics, makes the AMD Geode™ LX processor a true system level multimedia solution.

Specifications

- **Construction:** aluminum housing
- **Display:** 15" XGA Color TFT LCD
- **CPU and core logic:** AMD Geode™ LX800/500MHz core processor
- **System BIOS:** award PnP BIOS
- **DRAM:** 256MB on board DDR-400MHz SDRAM
- **Storage:** 44-pin IDE interface
- **I/O:** 3 serial ports: Com1: RS-232/RS-485 2w/4w, Com2: RS-232, Com3: RS-232/RS-485 2w
1 Ethernet port (10/100Base-T)
2 USB 2.0 full-speed host ports (12Mbps)
1 Mini USB full-speed host port (12Mbps)
SD CARD SLOT
- **Sound output:** AC'97 Stereo codec
- **RTC:** Built-in
- **Power input:** 24 V_{DC}, 1.6 A maximum
- **Dimension (W x H x D):** 366 x 293 x 57mm
- **Weight:** about 2.9kg

Touchscreen

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

LCD Display

Display type	TFT color LCD
Display size (diagonal)	15.0"
Max colors	65,536
Resolution	1024 x 768
Pixel pitch (HxV, mm)	0.297 x 0.297
Viewing angle (°)	65/60/70/70 (T/B/R/L)
Luminance (cd/m ²)	350
Backlight	2 x CCFLs
Contrast Ratio	550:1

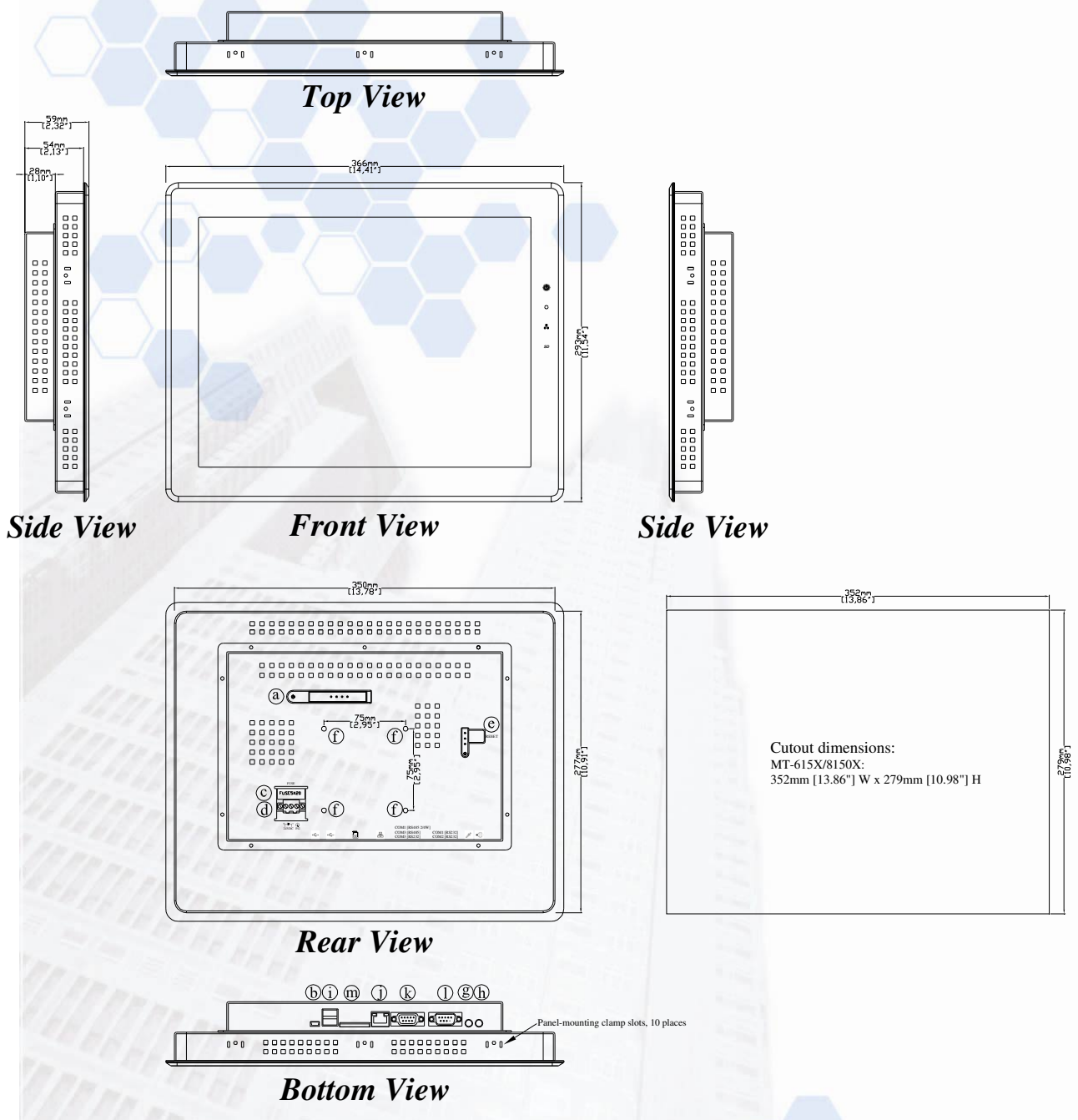
Environmental Specifications

- **Operating temperature:** 0° ~ 50°C (32° ~ 122°F)
- **Storage temperature:** -20° ~ 60°C (-4° ~ 140°F)
- **Relative humidity:** 10% ~ 90% @ 40°C, non-condensing
- **Shock (operation):** 10 to 25Hz(X,Y,Z direction 2G 30minutes)
- **CE/FCC:** Complies with EN 55022:1998+A1: 2000+A2: 2003, EN61000-3-2: 2000+A2: 2005, EN61000-3-3:1995+A1:2001 EN55024: 1998+A1:2001+A2: 2003
- **Front panel meets NEMA4 / IP65**

Ordering Information

- **MT615X:**
15.0" TFT LCD display touch panel computer with AMD Geode™ LX800/500MHz core processor.
- **XPE-2G XPE license + 2G DOM**
2GB Disk On Module and Windows Embedded XP OS inside.
- **XPE-4G XPE license + 4G DOM**
4GB Disk On Module and Windows Embedded XP OS inside.
- **CE-256M CE license + 256M DOM**
256MB Disk On Module and Windows CE 5.0 OS inside.
- **O-ring**
Two-sided adhesive O-ring

Dimensions of MT-615X



a	IDE interface (DOM slot)	h	Line Out
b	Mini USB	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		