

MT608TV2

Windows CE touch panel computer
with 8" TFT LCD display



Introduction

The MT608TV2 is a miniature and compact platform that has no redundant functions. Its RISC kernel, the CIRRUS LOGIC EP9315 200MHz processor design with a memory management unit (MMU), that supports Windows CE. The ARM920T's 32-bit microcontroller architecture, with a five-stage pipeline, delivers impressive performance at very low power.

The EP9315 includes a hardware graphics acceleration engine that improves graphic performance by handling block copy, block fill and hardware line draw operations. The graphics accelerator is used in the system to off load graphics operations from the processor.

Specifications

- **Construction:** plastic molding housing
- **Display:** 8" 640x480 65536 color TFT LCD
- **CPU and core logic:** CIRRUS LOGIC® EP9315 200MHz ARM920T core processor
- **DRAM:** 64 MB on board
- **Storage:** 32 MB flash memory on board,
1 CompactFlash™ card slot.
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)
3 USB 2.0 full-speed host (12Mbps)
- **Sound output:** 20-bits Stereo output
- **RTC:** Built-in
- **Power input:** 24 V_{DC}, 440mA maximum

Features

- 8" 640x480 65536 colors TFT LCD
- CIRRUS LOGIC EP9315 200MHz ARM920T core processor
- Fan-less cooling system
- Built-in flash memory and Windows CE OS inside
- NEMA4/IP65 compliant front panel
- One CompactFlash™ slot
- 44-pin IDE interface

LCD Display

Display type	TFT LCD
Display size (diagonal)	8"
Max colors	65536
Resolution	640 x 480
Pixel pitch (HxV, mm)	0.2535 x 0.2535
Viewing angle (°)	55/65/65/65 (T/B/R/L)
Luminance (cd/m ²)	400
Storage temperature (°C)	-25~70
Operating temperature (°C)	0~45
Backlight	CCFL x 1
Backlight life time	50,000 hrs.
Contrast ratio	250:1

Touchscreen

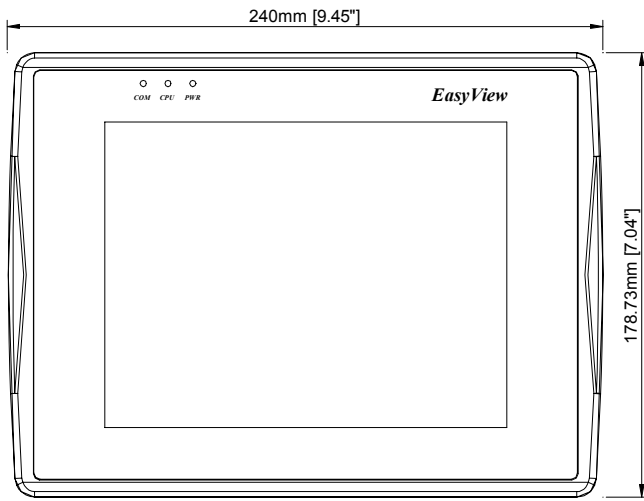
- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light transmission:** above 80%
- **Life:** 1 million activation minimum

Environmental Specifications

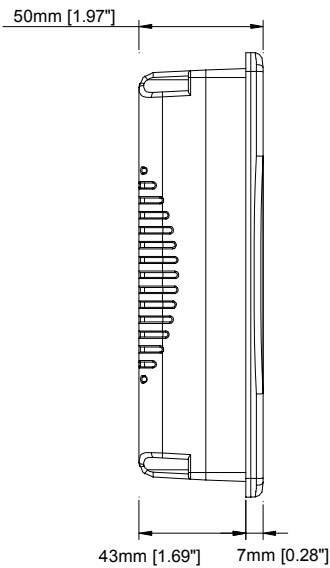
- **Operating temperature:** 0° ~ 45°C (32° ~ 113°F)
- **Relative humidity:** 10% ~ 90% @ 40°C, non-condensing
- **Shock (operation):** 10 to 25Hz(X,Y,Z direction 2G 30minutes)
- **EMI:** Complies with FCC class A
- **CE:** Complies with EN50081-2 and EN50082-2 standards
- **Front panel meets NEMA4 / IP65**

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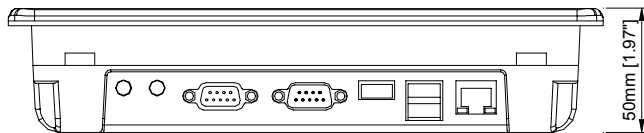
Dimensions Drawing



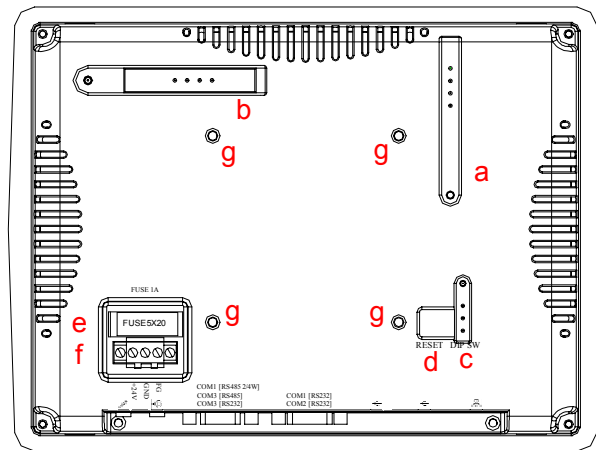
Front View



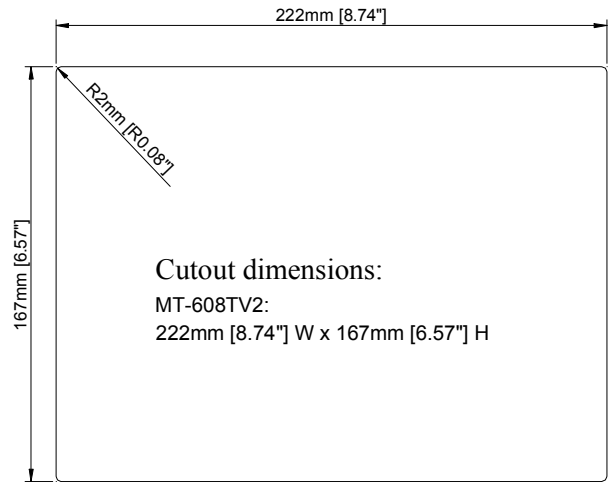
Side View



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

Ordering Information

MT608TV2:

8" TFT VGA LCD display touch panel computer with EP9315 200MHz ARM920T processor, 32MB flash memory/64MB DRAM on board and Windows CE.net 4.2 English OS.

PS508:

MT508/MT608 Protective Sheet 5 sheets per package.