# MT610i

## ◆ Features

- 10" 800x480 TFT LCD
- Fan-less cooling system
- Built-in flash memory and RTC
- NEMA4/IP65 compliant front panel
- LED Back Light
- One USB Host and one USB client port
- SD card slot
- Power Isolator inside

## 【 *Introduction*】

The MT610i is a miniature and compact platform that has no redundant functions. Its RISC kernel, the ARM11 high performance micro-processor, that supports Windows CE. The ARM926EJ core, the integration of a 2D Graphics Accelerator, an added low power mode.

The MT610i is equipped with a USB 1.1 host, a USB 2.0 high speed device and SD card slot.

## ◆ Specifications

- **Construction:** plastic molding housing
- **Display:** 10" 65,536 color TFT LCD
- **CPU and core logic:** 32Bit RISC 400MHz processor
- **DRAM:** 64 MB DDR2 on board
- **Storage:** 128 MB flash memory on board,
(ResidntFlash: about 100MB)
- **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)
       1 USB 1.1 host
       1 USB 2.0 high speed device
- **Sound output:** Line out
- **RTC:** Built-in
- **Power input:** 24±20%$V_{DC}$,300mA@24VDC
- **Dimension (W x H x D):** 271 x 212 x 50mm
- **Weight:** 1.4kg
- **Software:** Windows CE.net 5.0

## ◆ LCD Display

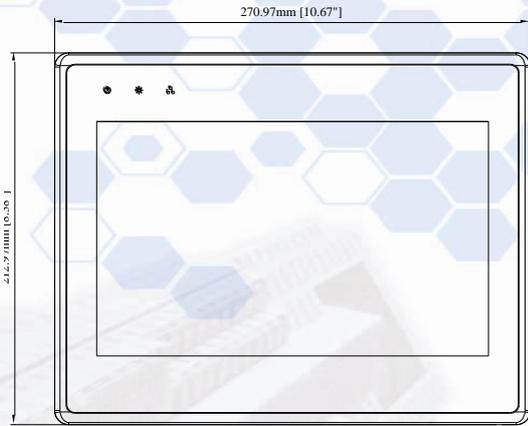| Display type | TFT LCD |
|---|---|
| Display size (diagonal) | 10" |
| Max colors | 65536 |
| Resolution | 800 x 480 |
| Viewing angle (º) | 45/65/65/65(T/B/R/L) |
| Luminance (cd/m$^2$) | 300 |
| Backlight | LED |
| Backlight Life time | 30,000 hrs. |
| Contrast ratio | 500:1 |

## ◆ Touchscreen

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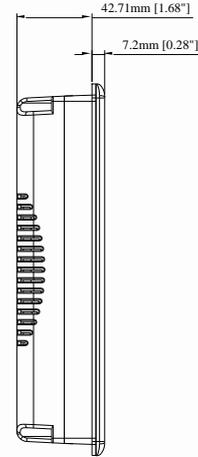- **Life:** 1 million activation minimum

## ◆ 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 55022:2006,Class A
            EN 61000-3-2:2006
            EN 61000-3-3:1995+A1:2001+A2:2005
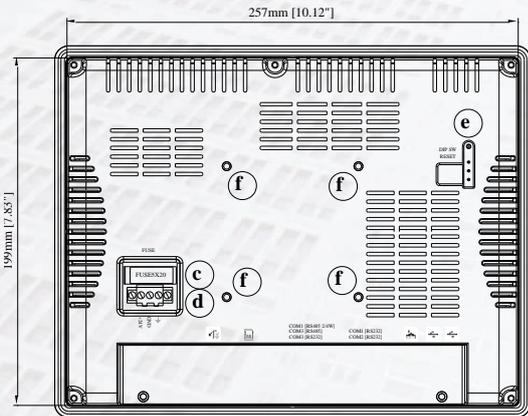            EN 55024:1998+A1:2001+A2:2003
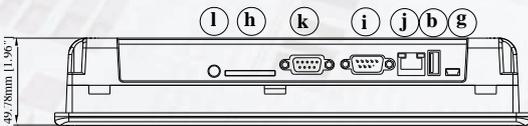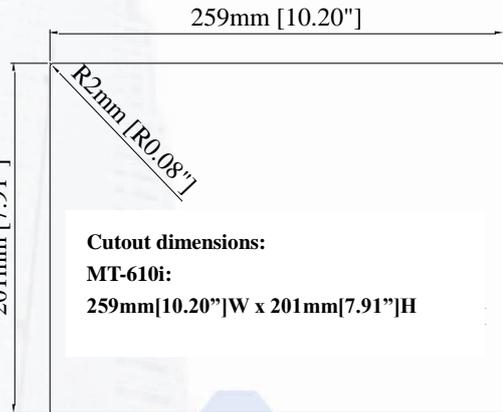- **Front panel meets NEMA4 / IP65**

## ◆ *Dimensions Drawing*

270.97mm [10.67"]

42.71mm [1.68"]

7.2mm [0.28"]

*Front View*

*Side View*

257mm [10.12"]

199mm [7.83"]

FUSE
FUSE5X20

e

f    f

c
d    f    f

COM1 [RS485 2-W]    COM1 [RS232]
COM3 [RS485]    COM2 [RS232]
COM1 [RS232]

*Rear View*

259mm [10.20"]

R2mm [R0.08"]

201mm [7.91"]

**Cutout dimensions:**
**MT-610i:**
**259mm[10.20"]W x 201mm[7.91"]H**

l  h    k    i    j  b  g

49.78mm [1.96"]

*Bottom View*

| | | | |
|---|---|---|---|
| a | N/A | g | USB Client Port |
| b. | USB Host Port | h | SD Card Slot |
| c. | Fuse | i | Com1 RS232, Com2 RS232 |
| d. | Power Connector | j | Ethernet Port (RJ-45) |
| e | DIP SW & Reset Button | k | Com1 RS485, Com3 RS485, Com3 RS232 |
| f | VESA 75mm Screw Holes | l | Line Out |

## Ordering Information

❏ **MT610i:**
   10" 800x480 TFT LCD HMI, 128MB flash memory/64MB DDR2 RAM on board.

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