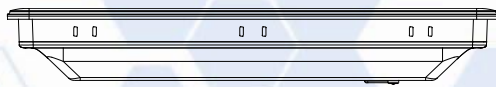# WEINTEK

# eMT612A

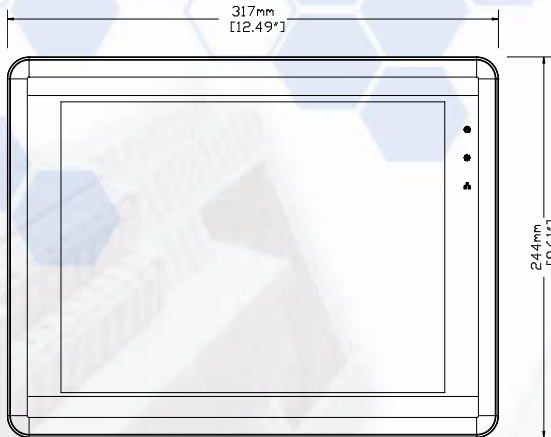## *HMI with 12.1" XVGA TFT Display*

### *Features*

- Aluminum Housing and Brand-new Color & Design
- 12.1" 1024x768 TFT Industrial Grade LCD
- Fan-less Cooling System
- Built- in 256MB Flash Memory and RTC
- NEMA4/IP66 Compliant Front Panel
- Long Life LED Back Light with Ceramics Package
- SD Card Slot Supports SD/SDHC Cards
- Power Isolator Inside
- CAN Bus Device Supported
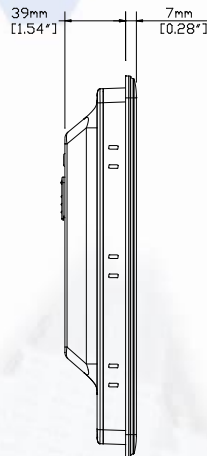- Com1 / Com3 RS485 & CAN Bus Built-in Isolation
- Support Windows CE 6.0

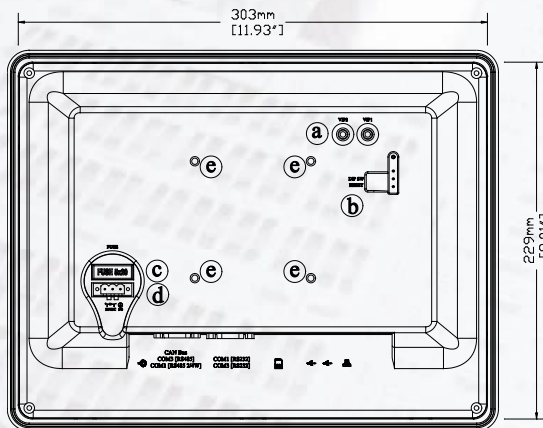| | | |
|---|---|---|
| **Display** | Display | 12.1" TFT |
| | Resolution | 1024 x 768 |
| | Brightness (cd/m$^2$) | 500 |
| | Contrast Ratio | 700:1 |
| | Backlight Type | LED |
| | Backlight Life Time | 50,000 hr. |
| | Colors | 16.2M |
| **Touch Panel** | Type | 4-wire Resistive Type |
| | Accuracy | Active Area Length(X)±2%, Width(Y)±2% |
| **Memory** | Storage(MB) | 256 |
| | RAM (MB) | 256 |
| **Processor** | | 32Bit RISC CPU 800MHz |
| **I/O Port** | SD Card Slot | SD/SDHC |
| | USB Host | USB 2.0 x 1 |
| | USB Client | USB 2.0 x 1 |
| | Ethernet | 10/100 Base-T |
| | COM Port | COM1 (RS-232/RS-485 2W/4W), COM3(RS-232/RS-485 2W),CAN Bus |
| | Audio | Audio Line Out－3.5 mm jack x 1 |
| **RTC** | | Yes |
| **Power** | Input Power | 24±20%VDC |
| | Power Consumption | 850m A@24V |
| | Power Isolation | Built In |
| | Voltage Resistance | 500VAC (1 min) |
| | Isolation Resistance | Exceed 50MΩ　at 500VDC |
| | Vibration Endurance | 10 to 25Hz(X,Y,Z direction 2G 30 minutes) |
| **Specification** | Enclosure | Aluminum |
| | Dimensions WxHxD | 317 x 244 x 46mm |
| | Panel Cutout (mm) | 305 x 231 |
| | Weight (kg) | Approx. 2.1 kg |
| **Environment** | Protection Structure | IP66 front panel (O ring seal) |
| | Storage Temperature | -20° ~ 70°C (-4° ~ 158°F) |
| | Operating Temperature | 0° ~ 50°C (32° ~ 122°F) |
| | Relative Humidity | 10% ~ 90% RH (non-condensing) |
| **CE** | | EN55022 : 2006+A1 : 2007 EN61000-3-2 : 2006+A2: 2009 EN61000-3-3 : 2008 EN55024 : 1998 + A1: 2001+A2 : 2003 |
| **UL** | | UL508 Type 1, NEMA 4 |
| **Software** | | Windows CE 6.0 OS |

# eMT612A

**Top View**

317mm [12.49"]

39mm [1.54"]    7mm [0.28"]

244mm [9.61"]

**Front View**

**Side View**

303mm [11.93"]

229mm [9.01"]

305mm [12.01"]
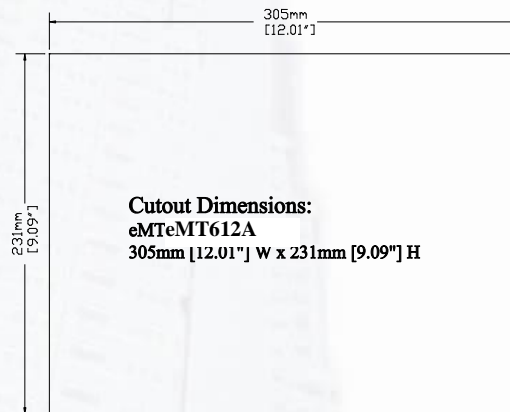
231mm [9.09"]

Cutout Dimensions:
eMTeMT612A
305mm [12.01"] W x 231mm [9.09"] H

CAN Bus
COM3 [RS485]
COM3 [RS485 SMW]    COM1 [RS232]
COM3 [RS232]

**Rear View**
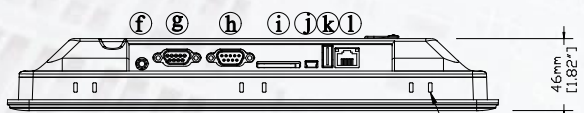
**Bottom View**    Panel-mounting clamp slots, 12 places

46mm [1.82"]

## Ordering Information

❑ **eMT612A**
12.1" TFT LCD HMI, 256MB flash memory/
256MB RAM on board,
❑ **FLZ485000**
Multi-Connector cable Com1[485]/Com3[485]/
CAN Bus
❑ **FLZ232000**
Multi-Connector cable Com1[232]/Com3[232]

| | | | |
|---|---|---|---|
| a | N/A | g | Com1 RS485,Com3 RS485, CAN Bus |
| b | DIP SW & Reset Button | h | Com1 RS232, Com3 RS232 |
| c | Fuse | i | SD CARD SLOT |
| d | Power Connector | j | USB Client port |
| e | VESA 75mm Screw Holes | k | USB Host port |
| f | Line Out | l | Ethernet Port |

**Contact: WEINTEK LABS., INC.    TEL: +886-2-22286770    Web:www.weintek.com**

eMT612A_DataSheet_120920