# WEINTEK

# cMT3092X

## HMI with 9.7" WVA Display

### Feature

- 9.7" 1024 x 768 Wide Viewing Angle LCD
- Quad-core CPU with High Performance Dedicated 3D Processor
- Fan-less Cooling System
- Built- in 4GB Flash Memory and RTC
- COM2 / COM3 RS-485 2W Supports MPI 187.5K, please use one at a time.
- Built-in Power Isolator
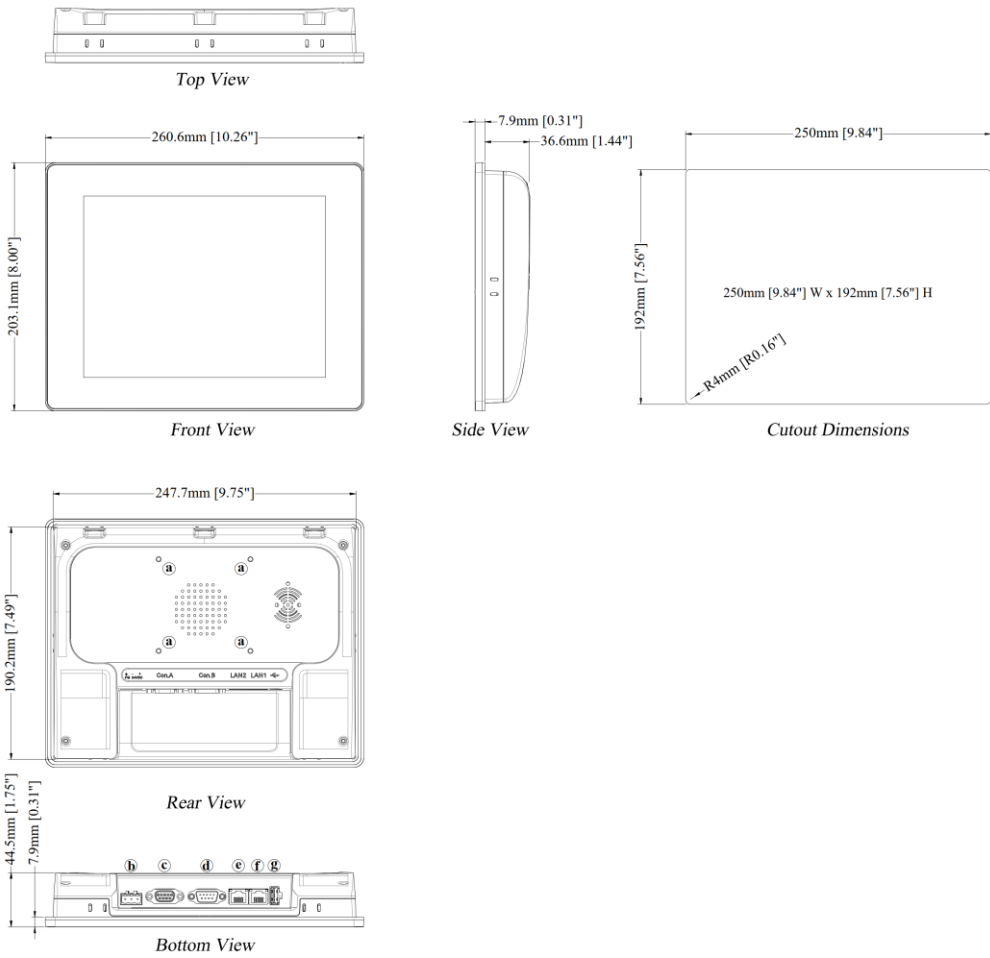- NEMA4/IP66 Compliant Front Panel

| Category | Item | Specification |
|---|---|---|
| **Display** | Display | 9.7" Wide Viewing Angle (WVA) |
| | Resolution | 1024 x 768 |
| | Brightness (cd/m$^2$) | 350 |
| | Contrast Ratio | 900:1 |
| | Backlight Type | LED |
| | Backlight Life Time | >30,000 hrs. |
| | Colors | 16.2M |
| | LCD Viewing Angle (T/B/L/R) | 89/89/89/89 |
| | Pixel Pitch (mm) | 0.192(H) x 0.192(V) |
| **Touch Panel** | Type | 4-wire Resistive Type |
| | Accuracy | Active Area Length(X)±2%, Width(Y)±2% |
| **Memory** | Flash | 4 GB |
| | RAM | 1 GB |
| **Processor** | | Quad-core RISC |
| **I/O Port** | SD Card Slot | N/A |
| | USB Host | USB 2.0 x 1 |
| | USB Client | N/A |
| | Ethernet | LAN 1: 10/100/1000 Base-T x 1<br>LAN 2: 10/100 Base-T x 1 |
| | COM Port | Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W<br>Con.B: COM1 RS-232 4W, COM3 RS-232 2W* |
| | RS-485 Isolation | N/A |
| | CAN Bus | N/A |
| | HDMI | N/A |
| | Audio Output | Built-in Mono Speaker |
| **RTC** | | Built-in |
| **Power** | Input Power | 24±20%VDC |
| | Power Isolation | Built-in |
| | Power Consumption | 1A@24VDC |
| | Voltage Resistance | 500VAC (1 min.) |
| | Isolation Resistance | Exceed 50MΩ @ 500VDC |
| **Specification** | PCB Coating | Yes |
| | Enclosure | Plastic |
| | Dimensions WxHxD | 260.6 x 203.1 x 44.5 mm |
| | Panel Cutout | 250 x 192 mm |
| | Weight | Approx. 1 kg |
| | Mount | Panel mount, VESA mount 75 x 75 mm |
| **Environment** | Protection Structure | UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel |
| | Storage Temperature | -20° ~ 60°C (-4° ~ 140°F) |
| | Operating Temperature | 0° ~ 50°C (32° ~ 122°F) |
| | Relative Humidity | 10% ~ 90% (non-condensing) |
| | Altitude (Air Pressure) | Below 3,000 meters (70.1kPa) |
| | Vibration Endurance | 10 to 25Hz (X, Y, Z direction 2G 30 minutes) |
| **Certificate** | CE | CE marked |
| | UL | cULus Listed |
| **Software** | EasyBuilder Pro | V6.04.01 or later versions* |
| | Weincloud | EasyAccess 2.0 (Optional), Dashboard (Optional) |
| | CODESYS® | Optional |

* Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.
* For units labeled as cMT3092X (V2), please select cMT3092X (V2) as the HMI model in EasyBuilder Pro (minimum software requirement: EasyBuilder Pro V6.07.02).
* CODESYS® is a trademark of CODESYS GmbH.

## Dimensions



Top View

Front View

Side View

Cutout Dimensions

250mm [9.84"] W x 192mm [7.56"] H

Rear View

Bottom View

| a | VESA 75 mm Screw Holes | e | LAN 2 |
|---|---|---|---|
| b | Power Connector | f | LAN 1 |
| c | COM2 RS-485, COM3 RS-485 (Con.A) | g | USB Host |
| d | COM1 RS-232, COM3 RS-232 (Con.B) | | |

## Ordering Information

❑ **cMT3092X:**
   9.7" 1024 x 768 WVA LCD HMI, Built-in 4GB flash memory, 1GB RAM on board
   ❑ **RZUSK7010 (included in package)**
      USB Clamp & Tying Strap
   ❑ **RP0080900 (included in package)**
      9.7"   Screen Protective Film
Optional:
   ❑ **RZ0CDS000:** CODESYS License
   ❑ **RZACEA020:** EasyAccess 2.0 Activation Card

**Pin Assignment:**

**Con.B: COM1 / COM3 [RS232], 9 Pin, Male, D-sub**

| PIN# | COM1 [RS232]4W | COM3 [RS232]2W |
|---|---|---|
| 1 | | |
| 2 | RxD | |
| 3 | TxD | |
| 4 | | |
| 5 | GND | |
| 6 | | |
| 7 | RTS | TxD |
| 8 | CTS | RxD |
| 9 | GND | |

**Con.A: COM2 / COM3 [RS485], 9 Pin, Female, D-sub**

| PIN# | COM2 [RS485]2W | COM2 [RS485]4W | COM3 [RS485]2W |
|---|---|---|---|
| 1 | Data- | Rx- | |
| 2 | Data+ | Rx+ | |
| 3 | | Tx- | |
| 4 | | Tx+ | |
| 5 | GND | | |
| 6 | | | Data- |
| 7 | | | |
| 8 | | | |
| 9 | | | Data+ |