



cMT3072X | Smart X HMI Series

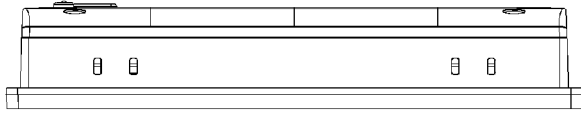
7.0" Touchscreen HMI with IIoT Features



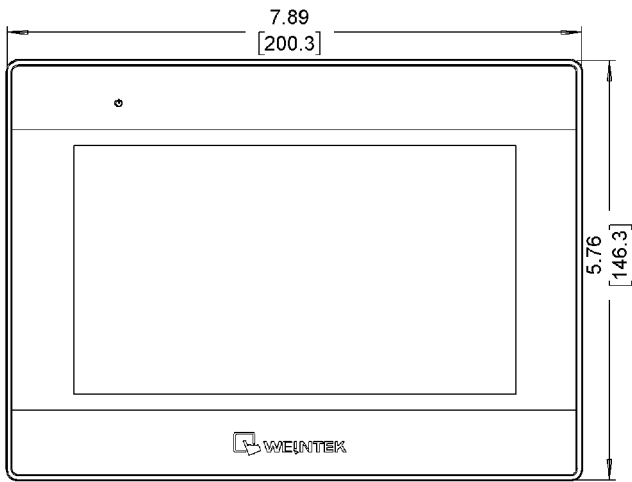
- High Speed Display Update
- Built-in Edge Gateway Function
- Enhanced Graphic & Security
- Email Alarm Notification
- Recipe, PDF Reader
- SQL Database, Database Server, OPC-UA Server



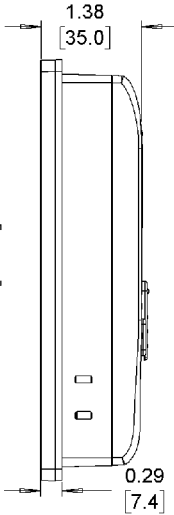
| | | |
|---------------|----------------------------|--|
| System | CPU | Quad-Core 64-bit RISC Cortex-A35, 1.5 GHz |
| | Memory (RAM) | 1 GB |
| | Memory (Flash) | 4 GB |
| | RTC | Built-in |
| I/O Ports | Serial | 1 x DE9P COM1: RS-232, COM3: RS-232* 1 x DE9S COM2: RS-485 2 or 4 wire, COM3: RS-485 2 wire, CANbus |
| | LAN | 2 x 10/100 Base-T RJ-45 |
| | CANbus | Yes |
| | USB Host | 1 x USB 2.0 |
| | USB Client | N/A |
| | Audio | N/A |
| | Video | N/A |
| | Wi-Fi | N/A |
| | HDMI® | N/A |
| | SD Card Slot | N/A |
| Display | Display Type | 7" TFT LCD |
| | Size (W x H) | 6.02 x 3.39 inches [153 x 86 mm] |
| | Max. Resolution | 800 x 480 |
| | Max. Color | 16.7 M |
| | Luminance (cd/m²) | 400 |
| | View Angle (H°/V°) | 160/140 |
| | Contrast Ratio | 800:1 |
| | Backlight Lifetime (Hours) | 30,000+ |
| Touch Screen | Type | 4-wire resistive touch |
| | Active Area Accuracy | Length (X) ±2%, width (Y) ±2% |
| Electrical | Input Voltage | 24 ±20% VDC |
| | Input Current | 850mA @ 24 VDC |
| | Input Power | 20.4 W |
| | Power Isolation | Built-in |
| Mechanical | Isolation Resistance | Exceed 50 MΩ at 500 VDC |
| | Enclosure | Plastic, charcoal grey |
| | PCB Coating | Yes |
| | Dimensions (W x H x D) | 7.89 x 5.76 x 1.38 inches [200.3 x 146.3 x 35 mm] |
| | Net Weight | Approx. 1.32 lbs. [0.6 kg] |
| Environmental | Mounting | Panel mounting |
| | Operating Temperature | 32° ~ 131°F [0° ~ 55°C] |
| | Storage Temperature | -4° ~ 140°F [-20° ~ 60°C] |
| | Relative Humidity | 10% ~ 90% (non-condensing) |
| | Vibration Endurance | 10 to 25 Hz (X, Y, Z direction, 2G, 30 minutes) |
| | Rating | UL Type 4X (indoor use only), NEMA 4, IP66 compliant front panel |
| Software | Certifications | cULus, CE, RoHS |
| Notes | Software | EBPro (v6.04.02 or later), EasyAccess 2.0 (optional), CODESYS (optional), IIoT Ready, MQTT, Sparkplug B, VNC, CMTViewer, Webview, SQL, |
| | Notes | *Only Tx and Rx may be used for COM1 RS-232 while COM3 RS-232 is in use. Specifications subject to change without notice |



Top View

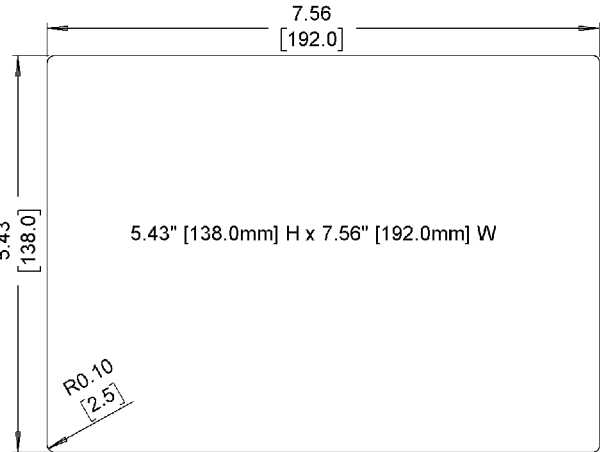


Front View

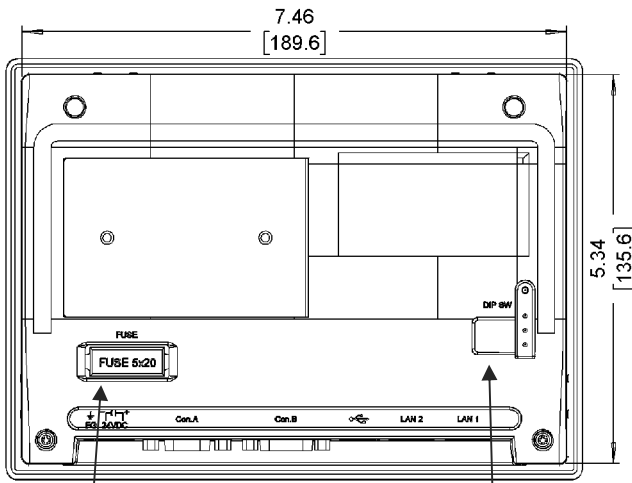


Side View

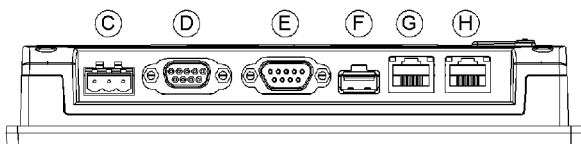
Dimensions are in inches [mm]



Cutout Dimensions



Rear View



Bottom View

- A Fuse
- B DIP Switches & Reset Button
- C Power Connector
- D COM Port DE9S
- E COM Port DE9P
- F USB 2.0 Host Port
- G Ethernet Port
- H Ethernet Port