



# cMT3072X | Smart X HMI Series

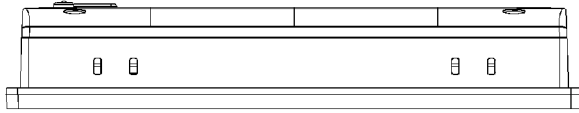
## 7.0" Touchscreen HMI with IIoT Features



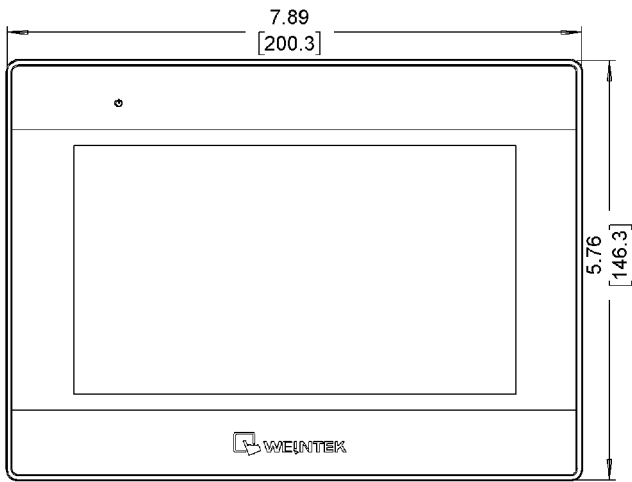
- High Speed Display Update
- Built-in Edge Gateway Function
- Enhanced Graphic & Security
- Email Alarm Notification
- Recipe, PDF Reader
- SQL Database, Database Server, OPC-UA Server



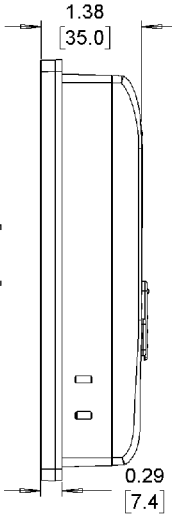
System	CPU	Quad-Core 64-bit RISC Cortex-A35, 1.5 GHz
	Memory (RAM)	1 GB
	Memory (Flash)	4 GB
	RTC	Built-in
I/O Ports	Serial	1 x DE9P COM1: RS-232, COM3: RS-232* 1 x DE9S COM2: RS-485 2 or 4 wire, COM3: RS-485 2 wire, CANbus
	LAN	2 x 10/100 Base-T RJ-45
	CANbus	Yes
	USB Host	1 x USB 2.0
	USB Client	N/A
	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/m <sup>2</sup> )	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

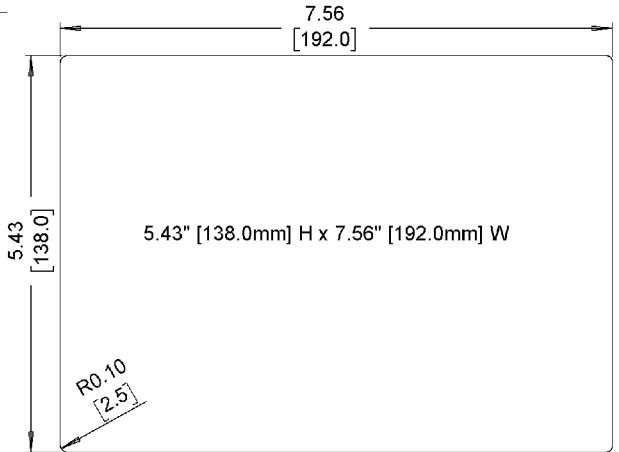


Front View

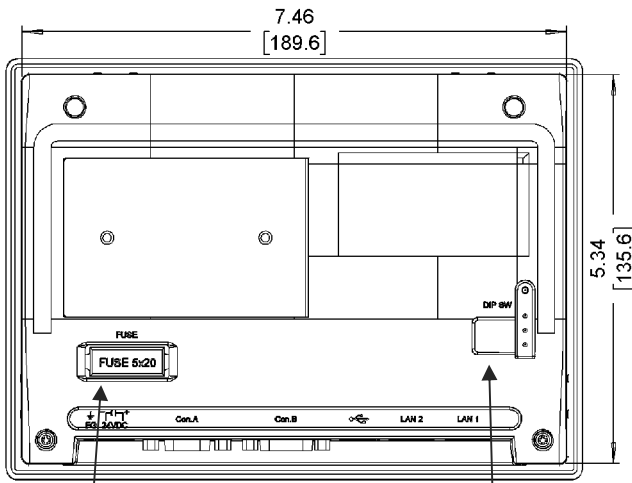


Side View

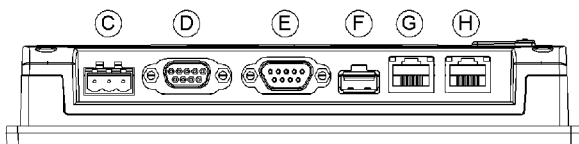
Dimensions are in inches [mm]



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