



#### cMT3092Xv2 | High-Performance HMI Series

#### 9.7" Touchscreen HMI with IIoT Features











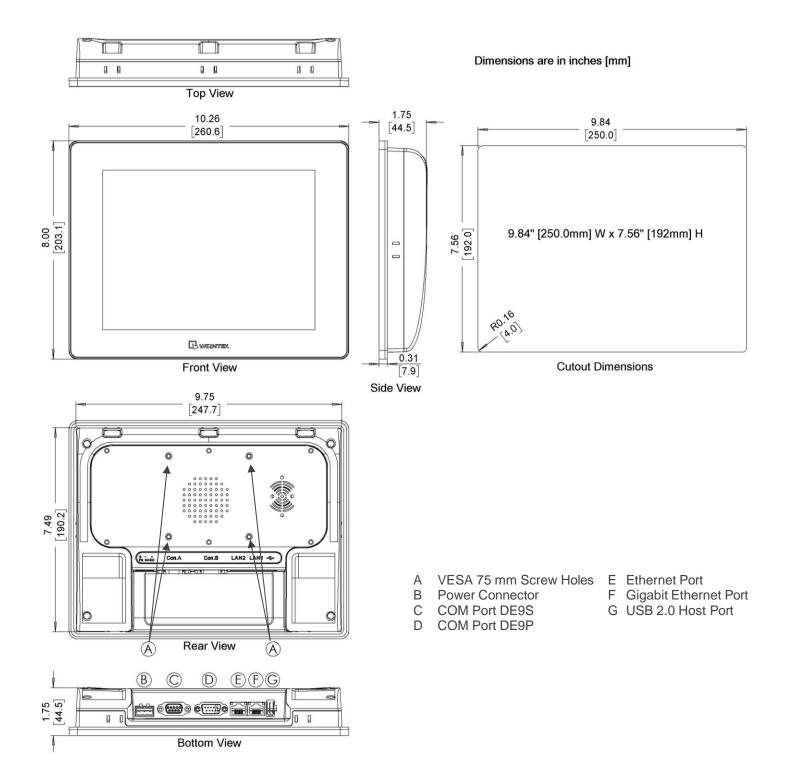
- - Quad Core processor allows for the HMI project and PLC project to run on its own processor
  - **Built-in Edge Gateway Function**
  - **Enhanced Graphics & Security**
  - Recipe, PDF Reader
  - SQL Database, Database Server, OPC-UA Server

	SPC UA Easy <u>Access<sup>20</sup> </u>	odbus Sparkplug <sup>™</sup> VC		
	CPU	Quad-Core RISC		
	Memory (RAM)	1 GB		
System	Memory (Flash)	4 GB		
	RTC	Built-in		
I/O Ports	Serial	1 x DE9P COM1: RS-232, COM3: RS-232*		
	Serial	1 x DE9S COM2: RS-485 2 or 4 wire, COM3: RS-485 2 wire, CANbus		
	LAN	1 x 10/100 Base-T RJ-45, 1x GbE RJ-45		
	CANbus	Yes		
	USB Host	1 x USB 2.0		
	USB Client	N/A		
	Audio	Built-in Mono Speaker		
	Video	N/A		
	Wi-Fi	N/A		
	HDMI <sup>®</sup>	N/A		
	SD Card Slot	N/A		
	Display Type	9.7" TFT LCD		
	Size (W x H)	7.78 x 5.84 inches [197.6 x 148.5 mm]		
	Max. Resolution	1024 x 768		
Display	Max. Color	262 K		
	Luminance (cd/m²)	350		
	View Angle (H°/V°)	140/130		
	Contrast Ratio  Backlight Lifetime (Hours)	500:1		
	Type	lours) 30,000+  4-wire resistive touch		
Touch Screen	Active Area Accuracy	Length (X) ±2%, width (Y) ±2%		
	Input Voltage	24 ± 20% VDC		
Electrical	Input Current	1 A @ 24 VDC		
	Input Power	24 W		
	Power Isolation	Built-in		
	Isolation Resistance	Exceed 50 MΩ at 500 VDC		
Mechanical	Enclosure	Plastic, charcoal grey		
	PCB Coating	Yes		
	Dimensions (W x H x D)	10.26 x 8.00 x 1.75 inches [260.6 x 203.1 x 44.5 mm]		
	Net Weight	Approx. 2.2 lbs. [1 kg]		
	Mounting	Panel mounting, VESA 75 x 75 mm		
Environmental	Operating Temperature	32° ~ 122°F [0° ~ 50°C]		
	Storage Temperature	-4° ~ 140°F [-20° ~ 60°C]		
	Relative Humidity	10% ~ 90% (non-condensing)		
	Altitude (Air Pressure)	Below 3,000 meters (70.1kPa)		
	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		
	Certifications	cULus, CE, RoHS		
Software	EBPro (v6.07.02 or later), EasyAccess 2.0 (optional), CODESYS (optional), IIoT Ready, MQTT, Sparkplug B, VNC, CMTViewer, WebView, SQL			
	*Only Tx and Rx may be used for COM1 RS-232 while COM3 RS-232 is in use.			
Notes	CODESYS® is a trademark of Specifications subject to change			





#### cMT3092Xv2 | High-Performance HMI Series





#### Why Buy A Maple HMI

In addition to our powerful and affordable hardware, we'll also continue to support your company long after a sale. Wide product selection, large in-stock inventory, outstanding product warranty, free technical support and software, and in-house repairs with quick turnaround times, Maple Systems has your business covered.



# Add Remote IO for PLC Functionality

Select Maple Advanced and High-Performance HMIs have a sleek hardware platform that runs both an HMI application created with our free HMI software and PLC logic programmed with CODESYS; each on its own dedicated processor. Unlike the typical multicore set up, where the operating system scheduler is responsible for allocating tasks to each processor, these HMIs have a hard separation between cores. One core is dedicated to the HMI application, the other to executing PLC logic of the CODESYS project. This ensures taxing graphics processing operations will not interfere with deterministic real time control tasks executing on the other processor.

After selecting your HMI, choose from a suite of easy to use powerful I/O modules to connect to your field equipment. We offer a complete set of I/O modules which can be combined with one of our communication couplers to create a remote I/O block.

### Remote Access and the IIoT

Remote access is the ability to access an HMI or connected device, from another device, at any time, and from anywhere. With our free HMI software and supported hardware solutions, you have the freedom to access the HMI, and all its data and applications, from another device and control it as if you were standing in front of it. The enhanced features in our High-Performance HMIs support SOL Database Servers, Web Browser, OPC UA Server, and FTP, in addition to cMT Viewer, WebView, Web Streaming, and EasyAccess 2.0 and are designed to make accessing your HMI and data fast and streamlined.

Our High-Performance HMIs can act as an access point enabling operating equipment on the plant floor to connect to information technologies of the Industrial Internet of Things (IIoT). With our IIoT solutions, that are already included in the EBPro software, we can help you achieve better access to invaluable data and open a world of possibilities for your business. Read more about our IIoT solutions.

#### **Build your SCADA**

We offer all the components you need to create your own unique level of supervisory data acquisition and control, from the simplest stand-alone machine to sophisticated multi-device networked production line(s), all the way to enterprise-level operations and IIoT functionalities leveraging cloud connectivity.

Our products can help you standardize communications between devices, gluing different systems together for one source to your SCADA. No need to redesign your entire application. Keep the components that are already working for you, just add Maple Systems components to grow your abilities to supervise, control, and acquire data.

### **Incredible Functionality Out of the Box**

- Easily and quickly create the project with functional objects including numeric object, lamp object, combobutton, alarms, and recipes
- Pick and place objects, pictures, and shapes
- Import/export recipes
- · Create trend display, graphs, XY plots, and pie charts
- · Add passwords and security levels
- Assign communication (PLC) drivers easily and more with our Free HMI software

Additionally our HMIs support remote access solutions with VNC, MQTT, and OPC UA. For additional features see our High-Performance HMI series.



# **User Friendly HMI Configuration Software**

Because designing the layout of screens and user-interface (UI) of the HMI is typically where most of the development time is spent, we've made our Free HMI configuration software easy to use.

- Import tags feature
- Tools to diagnose and monitor PLC to HMI connection
- Debugging tools
- Pre-built libraries
- · Off-line and on-line simulation

These are just a few of the ways our software makes creating your project easier. We also have controller information sheets, cable drawings, sample projects, Getting Started Guides, and videos/tutorials available in our support center 24/7.





Matsushita

### Programmable Logic Controller (PLC) Connectivity

With over 300 PLC & Controller communication protocols, these HMIs will easily integrate with your preferred PLC brands, including:

Allen-Bradley
Siemens
Omron
Emerson
GE
Panasonic
Mitsubishi
...and many more

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PDF Reader Web Streaming Web Streaming WebView WebView Barcode Scanner (Android Camera)			MQTT - AWS IoT, Sparkplug B, Azure IoT Hub, Google		
Web Streaming     Web Streaming       WebView     WebView       Barcode Scanner (Android Camera)					
WebView WebView Barcode Scanner (Android Camera)					
Barcode Scanner (Android Camera)			S .		
		WebView	WebView		
Database Server			Barcode Scanner (Android Camera)		
Database Sei vei			Database Server		
File Transfer Protocol (FTP)			File Transfer Protocol (FTP)		
OPC UA Server			` '		
PLC Web Browser					
SQL Database Server Integration					

This table is for illustration only and subject to change. Always check the software to see if a feature is supported in your specific hardware.

<sup>(</sup>I) Not supported in the B Series

<sup>(2)</sup> Not supported on the cMT2166X