

cMT3152X | High-Performance HMI Series



15" Touchscreen HMI with IIoT Features



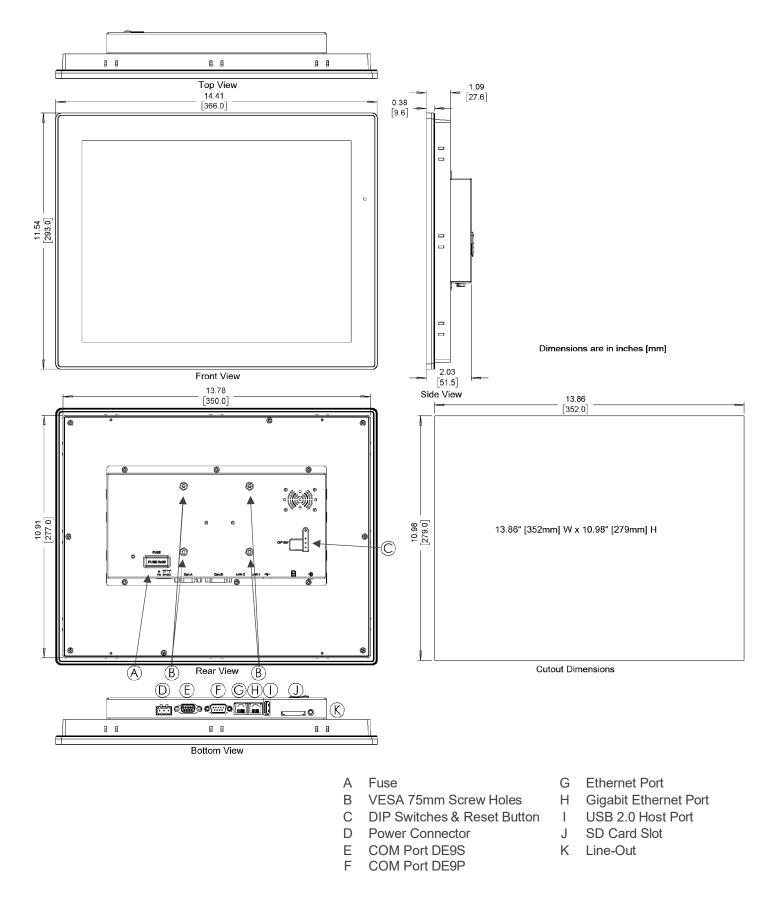
CODESYS

- 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

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	CPU	32-bit RISC Quad-Core Cortex-A17, 1.6 GHz			
0	Memory (RAM)	1 GB			
System	Memory (Flash)	4 GB			
	RTC	Built-in			
	Carriel	1 x DE9P COM1: RS-232, COM3: RS-232*			
	Serial	1 x DE9S COM1: RS-485 2 or 4 wire, COM3: RS-485 2 wires, CANbus			
I/O Ports	LAN	1 x 10/100 Base-T RJ-45, 1 x GbE RJ-45			
	CANbus	Yes			
	USB Host	1 x USB 2.0			
	USB Client	N/A			
	Audio	1 x audio line out – 3.5 mm and built-in mono speaker			
	Video	N/A			
	Wi-Fi	N/A			
	HDMI [®]	N/A			
	SD Card Slot	SD/SDHC			
	Display Type	15" IPS LCD			
Display	Size (W x H)	12.05 x 9.06 inches [306 x 230 mm]			
	Max. Resolution	1024 x 768			
	Max. Color	16.2 M			
	Luminance (cd/m ²)	400			
	View Angle (H°/V°)	178/178			
	Contrast Ratio	1000:1			
	Backlight Lifetime (Hours)	50,000+			
Touch Screen	Туре	Tempered Glass, Projected Capacitive			
	Hardness Scale				
	Input Voltage	24 ± 20% VDC			
	Input Current	1.3 A @ 24 VDC			
Electrical	Input Power	31.2 W			
	Power Isolation	Built-in			
	Isolation Resistance	Exceed 50 MΩ at 500 VDC			
	Enclosure	Plastic Front Bezel, Aluminum Rear			
Machenical	PCB Coating	Yes			
Mechanical	Dimensions (W x H x D)	14.41 x 11.54 x 2.03 inches [366 x 293 x 51.5 mm]			
	Net Weight Mounting	Approx. 6.06 lbs. [2.75 kg]			
	v	Panel mounting, VESA 75 x 75 mm			
Environmental	Operating Temperature	32° ~ 122°F [0° ~ 50°C] -4° ~ 140°F [-20° ~ 60°C]			
	Storage Temperature Relative Humidity	10% ~ 90% (non-condensing)			
	Vibration Endurance				
	Rating	10 to 25 Hz (X, Y, Z direction, 2G, 30 minutes) NEMA 4, IP66 compliant front panel			
	Certifications cULus, CE, RoHS EBPro (v6.04.02 or later), EasyAccess 2.0 (Included), CODESYS (optional), IIoT Ready, MQTT, Sparkplug B, VNC,				
Software	CMTViewer, Webview, SQL				
	*Only Tx and Rx may be used for COM1 RS-232 while COM3 RS-232 is in use.				
Notes					
	Specifications subject to change without notice				







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 <u>powerful</u> <u>I/O modules</u> 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 SQL 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 <u>IIoT solutions</u>.

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 lloT 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.





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

Panel Mount HMI Feature Overview

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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.

(1) Not supported in the B Series

(2) Not supported on the cMT2166X