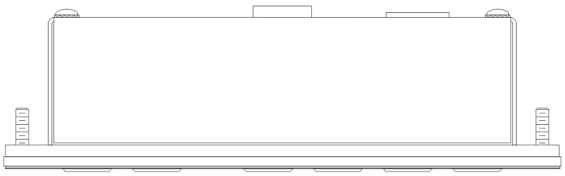


2 x 20 VFD Display

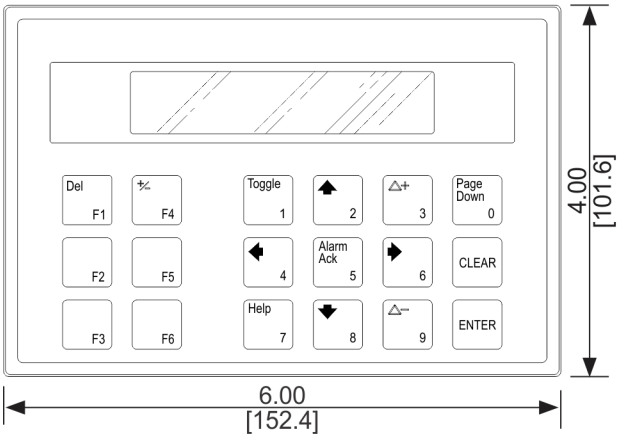
- 2 Line by 20 Character VFD Display
- Tactile Style Keypad
- 6 Programmable Keys
- 1 Serial RS232/422/485 Port

System	**Capacity (screens)**	500
	Audio	Internal audio transducer
I/O Ports	**Serial**	1 x RJ45 shielded RS-232/422/485
	Power	3 pins terminal block connector, DC power input
Display	**Type**	VFD; 5 x 7 dot matrix
	Size	2 line by 20 characters
	Viewing Angle (°)	Approximately 90 degree
Keypad	**Type**	Tactile dome
	Material	Polyester
	Lifespan	3 million operations
	Programmable Keys	6
	Customizable Key Legend	No
Electrical	**Input Voltage**	12 ~ 30 VDC
	Input Power	1.37 W
	Input Current	57mA @ 24VDC
Mechanical	**Enclosure**	Aluminum
	Dimensions (W x H x D)	6 x 4 x 1.77 inches [152.4 x 101.6 x 45 mm]
	Weight	0.75 lbs [0.34 kg]
	Mounting	Panel mounting
Environmental	**Operating Temperature**	14 ~ 149°F (-10 ~ 65°C)
	Storage Temperature	-22 ~ 176°F (-30 ~ 80°C)
	Relative Humidity	5% ~ 95% (non-condensing)
	Rating	NEMA4X / IP65
	Certifications	CE / cULus (Class I, Division 2)
Notes	Specifications subject to change without notice. For panel cutout dimensions, please refer to dimensional drawing.	

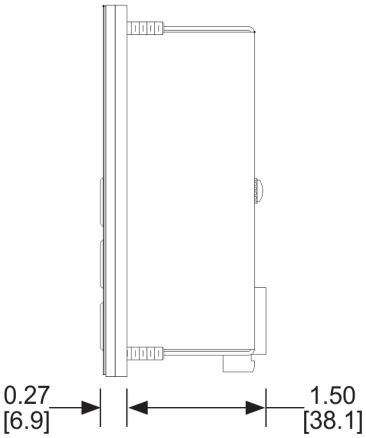
Top View



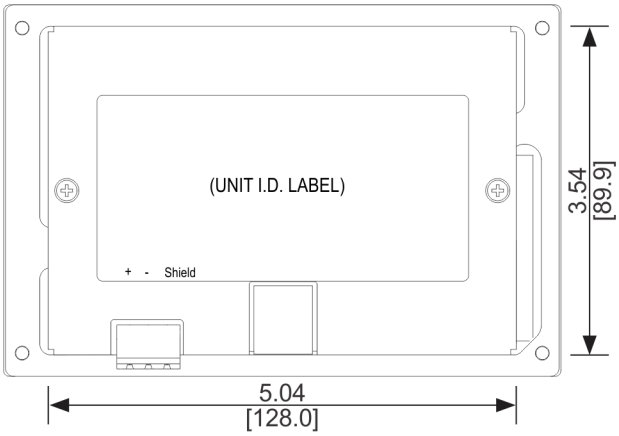
Front View



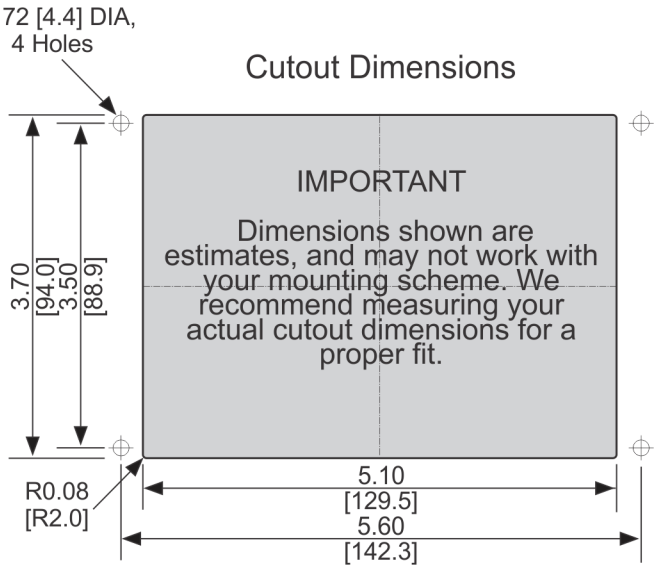
Side View



Rear View

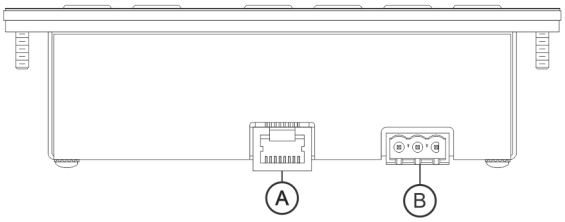


Cutout Dimensions



Dimensions are in inches [mm]

Bottom View



Ⓐ RJ-45 Serial COM Port

Ⓑ Power Connector

Engineers and Integrators Trust Maple Systems

Maple Systems Alphanumeric OITs are powerful, affordable operator interface terminals. With the ability to communicate with more than 100 brands of PLCs, motion controllers, temperature controllers, and embedded microcontrollers, you can easily create the perfect operator interface terminal for your application.

Class I, Division 2 Certified

Built for harsh environments

Our OITs are Class I, Division 2 certified, designed to keep operators and their environment safe. Our OITs are used in industries including oil and gas, mining, painting, chemical processing, and more. All our OITs operate in temperature extremes ranging from -10˚C up to 65˚C and are made with a rugged aluminum enclosure in the USA, making our LCD and VFD OITs are ideal for harsh environments.



Build America, Buy America

BABA-compliant OITs built for federally funded infrastructure

We are proud to say that our OITs comply with the Build America, Buy America Act (BABA). All our OITs meet the cost test, where the cost of components that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components; and final manufacturing occurred in the United States. See our Declaration of Conformity certification.

Free Configuration Software

Powerful features make your OIT products more intuitive

Maple Systems OITs use our free configuration software, OITware-200 when using with a PLC. Multi-language support, recipe uploads and downloads, remote variable storage function, support for Allen-Bradley MicroLogix Controllers, including the L data file, and added support for CTC motion controllers, Yaskawa-Magnetek controllers, and Control Microsystems controllers. Your OIT can be configured as a Modbus slave device.

Custom Legend Inserts

Create Your Own Custom Key Legend

The key legend insert is exposed when the panel mounted bezel is removed, allowing the insert to easily slide in or out. The clear window lets you change the look of the Function, Numeric, and Control Keys, or designate a location for your logo through simple replacement of the standard Maple Systems insert. Simply remove the Maple supplied insert and replace it with your own custom graphics to customize your keypad to the colors and graphics of your choice.

Maple Systems

HMI + PLC (HMC) Combo

CID2 | Configurable | Free Software

Our HMC series combines a touchscreen HMI and PLC all in one unit. Utilized worldwide to employ diverse applications, our HMI+PLCs lower costs, save space, and feature options including: Serial and Ethernet communication, support for Class I Division 2 installations, and numerous I/O configurations. What's more, they provide an affordable combination of display and control in a single package and programmed by using our Free HMI+PLC software MAPware-7000 with graphs, alarms, trending, data logging, web server functionality and more.





Panel Mount HMIs

Support for over 400 PLCs and Controllers

Maple Systems Human Machine Interface (HMI) touch screens make your industrial automation, data monitoring, networking systems, and other IIoT ready edge-devices easy to control with a user-friendly interface. Free HMI software and award-winning customer service are a couple more reasons for choosing an HMI panel that will give you the power and flexibility to streamline your processes.

HMI + Remote I/O + CODESYS

Free HMI Software | Panel Mount | Headless

Select Maple Systems' HMIs have a sleek hardware platform that runs both an HMI application created with EBpro 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.



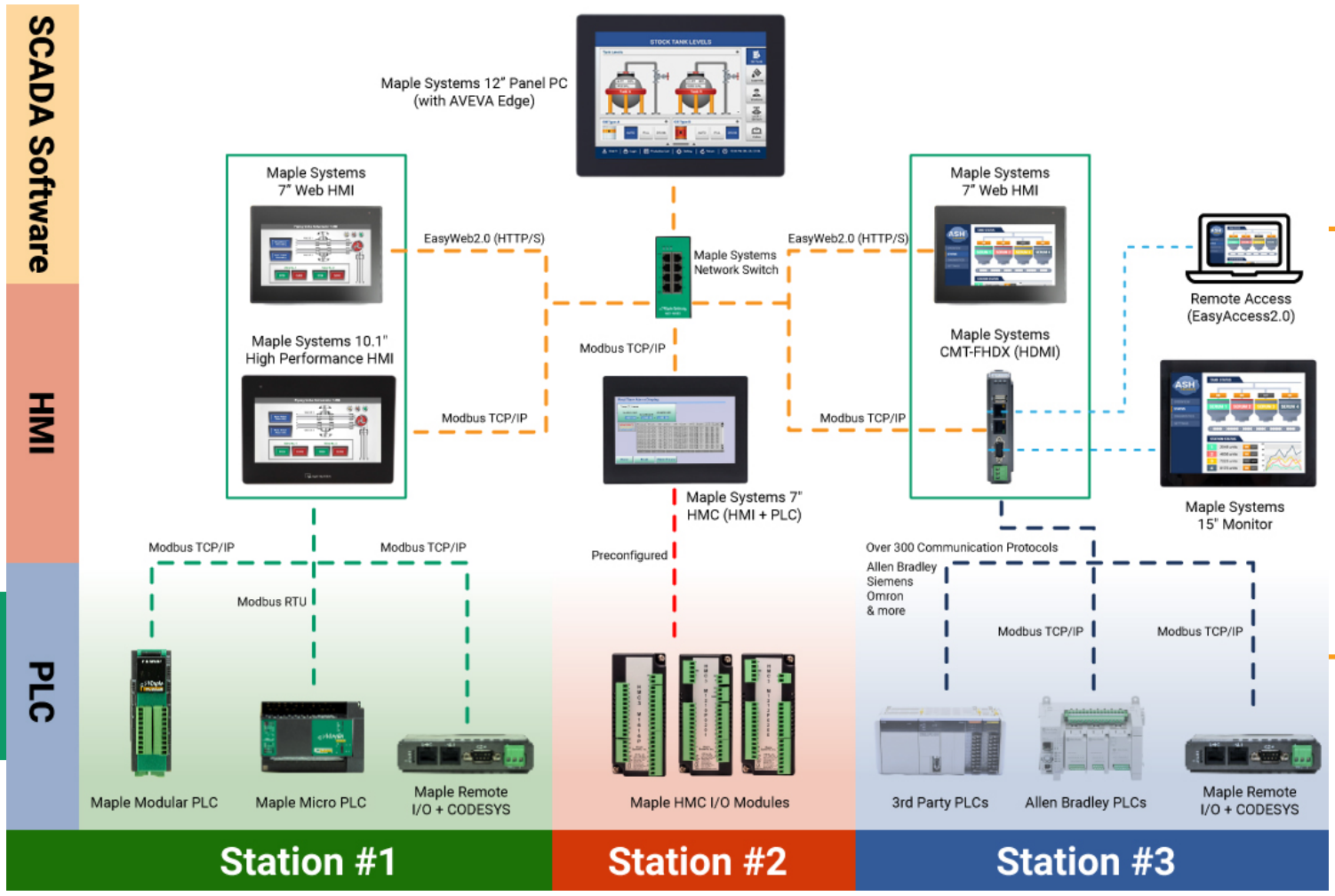


Standardizing SCADA Communications with Maple Systems Components

From simple stand-alone machines to sophisticated multi-device networked production lines, Maple Systems solutions empower your facility with enterprise-level operations and IIoT functionalities. Leveraging advanced cloud connectivity, Maple Systems hardware and software assist with:

- Logging data from your devices using Maple Systems, smart HMIs and gateways to aid in reporting, improve efficiency, and reduce downtime.
- Planning routine maintenance with ease by tracking system health metrics directly on Maple Systems HMIs and rugged Tablets.
- Adding advanced IIoT functionality via built-in support for MQTT, OPC UA, native Ignition server integration, and secure SQL databases like MySQL or Microsoft SQL Server.

The right Maple Systems products can help you standardize communications between legacy and modern devices, gluing disparate systems together to create a single, unified source for your SCADA ecosystem. There is no need to completely redesign your entire application. Keep the components that are already working for you, and simply add Maple Systems components to grow your abilities to supervise, control, and acquire data.



Alphanumeric OIT Series

Industrial Automation and Control Solutions

Imagine a system that seamlessly integrates real-time monitoring, intelligent control, and invaluable data analytics that can boost productivity, efficiency, and overall performance. That's the transformative capabilities of Maple Systems products and US-based technical sales and support.



HMIs

IIoT Control for Smart Factories

Our HMIs have enhanced software features such as remote access, data handling, security, recipes, email, and more. IIoT support for MQTT, Sparkplug B, Ignition SQL, and OPC UA. Class 1, Div 2 options available.



PLCs

Modular and Micro Series

Our PLCs provide an affordable combination of function and control in a cost-effective package. Programmed with our FREE control software, MapleLogic, that features high-speed counters, positioning control, input module filtering, PID control, and more, depending on the model.



Industrial PCs

Panel, Box, Rackmount, Media Player

Our Industrial PCs are full-strength, fan-less industrial computers with the power to support your SCADA software. Customize to meet your requirements: CPU, storage, memory, OS, and wifi upgrades available.



HMI + PLCs

Combining HMI and PLC functionality

These HMCs are powerful HMIs with I/O and supports high-speed counters and timers, provides serial, Ethernet communications, and support IEC programming. Class I, Division 2. Remote access options available.



Industrial Monitors

High Brightness, Wide Temp Options

Pair a Capacitive Touchscreen Monitor with one of our Industrial Box PCs or HDMI-enabled HMI to expand your project's capabilities. High brightness (1000nit), Wide-Temp, and Class I Division 2 options available.



Rugged Tablets

Durability, Performance, and Mobility

Built for industrial environments and certified to MIL-STD-810H military standards, these tablets feature waterproof enclosures with Gorilla Glass displays that protect against dust, water, and extreme temperatures.



Network Switches

Industrial Grade Components

Our network switches provide a high level of immunity against EMI and EMS found in industrial environments; and include features such as ESD Protection, Surge Protection, and Short Circuit Protection to ensure continuous operation in unstable power conditions. Unmanaged and managed switches available.



HTML5 Web HMI

Versatile and secure access to any web page

Web HMIs come standard with a built-in Chromium Browser, HTML5 Powered, IP66, Class I, Div 2 rating, ensuring intuitive interaction that enables users to access the same web content across many platforms.



Tower Stack Lights

Flash patterns and buzzer functions

Tower stack lights / Signal Towers provide high-visibility visual and audible signaling for clear machine status indication, safety alerts, and efficient industrial communication.



Pushbuttons

Dependable control for electrical and automation systems

Choose momentary or maintained action with options for illuminated, selector, emergency stop, and toggle designs.



Power Supplies

DIN Rail Mountable

Maple Systems DIN rail power supplies convert AC line voltage into clean, regulated DC for the PLCs, HMIs, I/O, sensors, relays and valves in your control panel.



PID Controllers

Precise, reliable process control

The right PID controller helps maintain your target setpoint, minimize process variation, and keep your operation running smoothly. Our PID Controllers combine auto-tuning, fuzzy logic PID control for industrial process and temperature applications.

Knowledge Base

Guides, tutorials, and documentation

Technical guides and how-to articles for Maple Systems products. Resources and configuration guides including programming basics, setup, communication protocols, software deployment, networking, and so much more!

Schedule a call with one of our product specialists today

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