

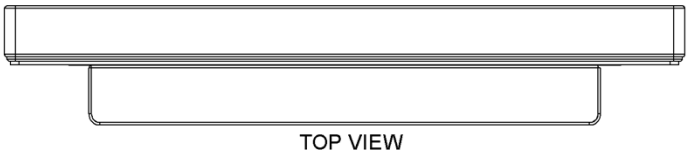
Extended Temperature | 316 Stainless Steel | Class1Div2

15.0” ~ 21.5” Hazardous Locations Fanless Panel PC with Intel® Core™ i5-6300U Processor

- CSA C1D2, C2D2, C3, ATEX / IECEx Zone 2, Zone 22 Certified for Use in Harsh Environments
- High Brightness Sunlight Readable 1000 Nits Optically Bonded TFT LCD (Available on 15” and 19” units)
- Extended Operating Temperature (-20~60°C)
- 316 Stainless Steel Chassis with IP66 Rating on All Sides
- Microsoft Windows® 10 IoT Operating System

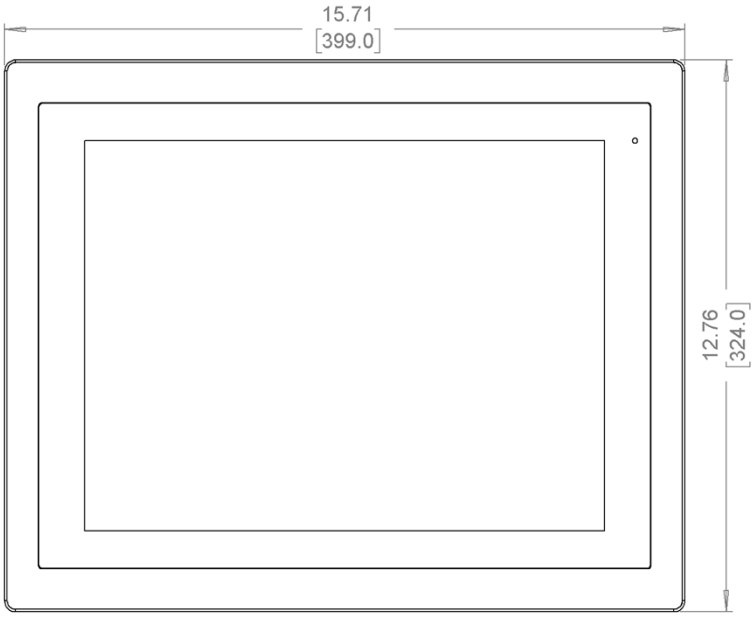
System	**CPU**	Intel® Skylake Core™ i5-6300U 2.4GHz Dual-Core Processor		
	System Chipset	SoC		
	System Memory	1 x DDR4 260-pin SO-DIMM 16 GB 2133 MHz		
I/O Ports	**Connector Type**	M12, with waterproof cover and tether chain*		
	USB	1 x M12 8-pin for 2 x USB 2.0 type A*		
	Serial	1 x M12 8-pin for RS-232/422/485, DE-9, COM1 (default RS-232)*		
	Audio	N/A		
	Graphics	1 x M12 12-pin for VGA*		
	LAN	2 x M12 8-pin for RJ-45*		
	Power	1 x M12 3-pin for DC power input (leads)*		
	Remote Power Switch	N/A		
Touch Screen	**Type**	Projected Capacitive		
	Interface	USB (Internal)		
	Light Transmission	90+%		
Display	**Display Type**	**15.0” XGA TFT LCD**	**19.0” SXGA TFT LCD**	**21.5” FHD LCD**
	Max. Resolution	1024 x 768	1280 x 1024	1920 x 1080
	Max. Color	262K	16.7M	16.7M
	Luminance (cd/m²)	1000	1000	300
	View Angle (H°/V°)	160/150	170/160	178/178
	Contrast Ratio	800:1	1000:1	3000:1
	Optical Bonding	Yes		
	Backlight Lifetime (hrs)	50,000+	70,000+	50,000+
Storage	**Internal Storage Device**	1 x 256 GB 2.5” SATA III, MLC SSD 1 x 64 GB mSATA MLC SSD		
	SD Card Slot	N/A		
Electrical	**Input Voltage**	9-36 VDC	9-36 VDC	9-36 VDC
	Input Current	2.02-8.07 A	2.59-10.34 A	1.02-4.11 A
	Input Power (max.)	72.6 W	93.1 W	37 W
Mechanical	**Dimensions (W x H x D)**	15.71 x 12.76 x 2.76 inches [399 x 324 x 70 mm]	18.50 x 15.30 x 2.95 inches [470 x 388.6 x 75 mm]	22.48 x 14.25 x 2.96 inches [571 x 362 x 75.1 mm]
	Net Weight	Approx. 21.16 lbs [9.6 kg]	Approx. 29.54 lbs [13.4 kg]	Approx. 27.78 lbs [12.6 kg]
	Mounting	VESA 100 x 100 mm		
	Construction	316 Stainless Steel Chassis		
Environmental	**Operating Temperature**	-4~140°F [-20~60°C]		
	Storage Temperature	-22~158°F [-30~70°C]		
	Relative Humidity	10 to 95% @ 40°C, non-condensing		
	Rating	IP66		
	Certifications	ATEX / IECEx Zone 2 Ex ec ic IIC T4 Gc ATEX / IECEx Zone 22 Ex tc IIIC T135°C Dc Class I Division 2 Group A, B, C, D, T4 Class II Division 2 Group F, G, T135°C Class III ANSI/ISA 12.12-01-2013 CSA Std. C22 No213-1987, C22.2 No.61010 CE / FCC Class A / RoHS		
Operating System	**Microsoft Windows® Options**	Microsoft WIndows® 10 IoT Enterprise LTSC 64-bit (PKEA)		
	Linux® Options	Linux® Ubuntu Desktop		
Notes	I/O cable length: 10’, Power cable length: 15’ Cables are for testing and/or inside a cabinet installation. Specifications subject to change without notice.			

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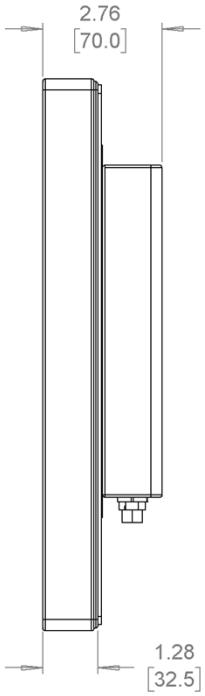


TOP VIEW

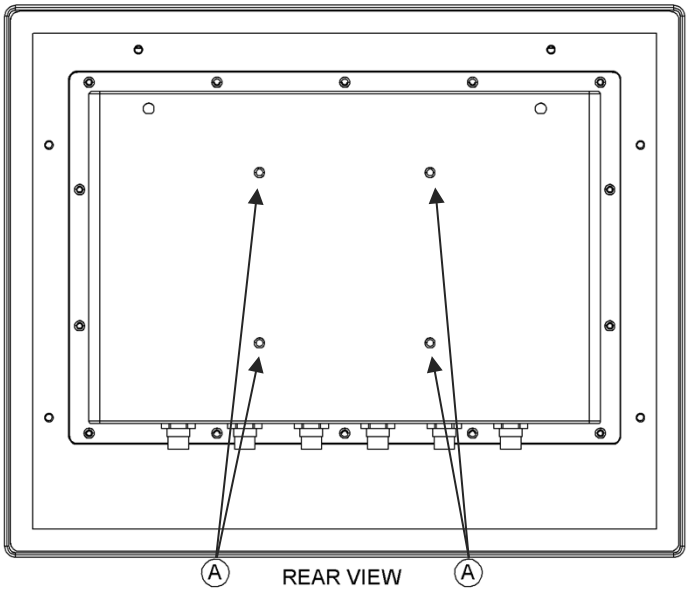
DIMENSIONS ARE IN INCHES [MM]



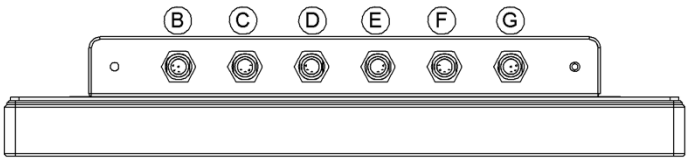
FRONT VIEW



SIDE VIEW



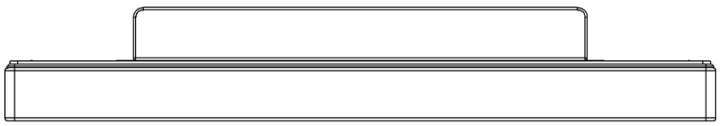
REAR VIEW



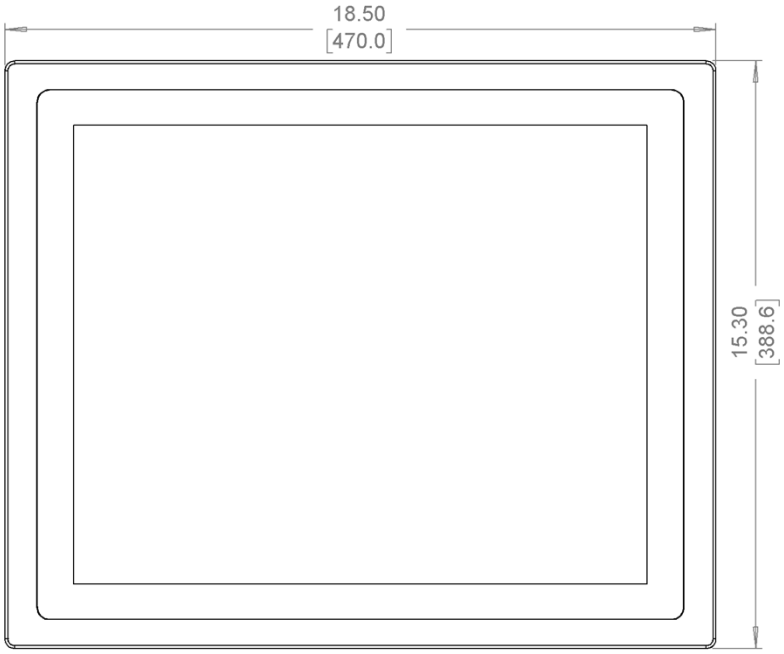
BOTTOM VIEW

A	VESA 100 x 100 mm M4 Screw Holes
B	M12 VDC Power Connector
C	M12 LAN Connector
D	M12 USB 2.0 Connector
E	M12 COM1 Connector
F	M12 LAN Connector
G	M12 VGA Connector

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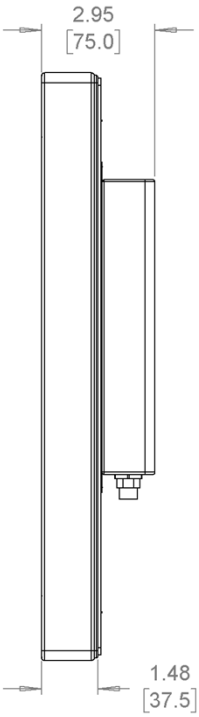


TOP VIEW

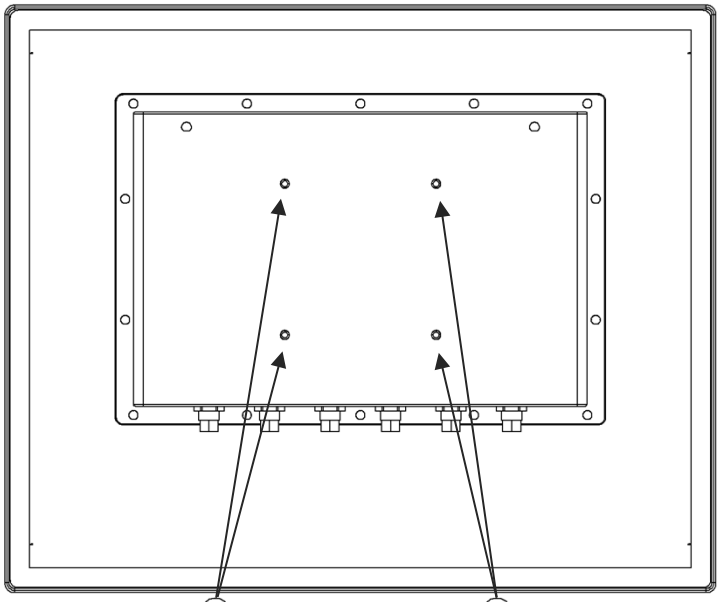


FRONT VIEW

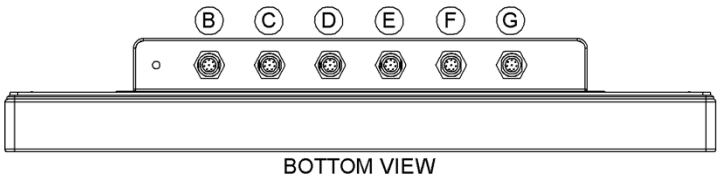
DIMENSIONS ARE IN INCHES [MM]



SIDE VIEW



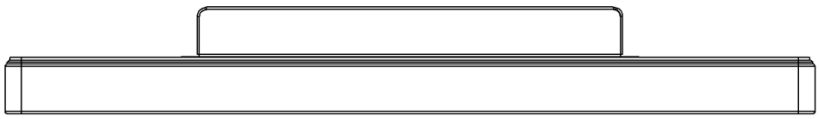
REAR VIEW



BOTTOM VIEW

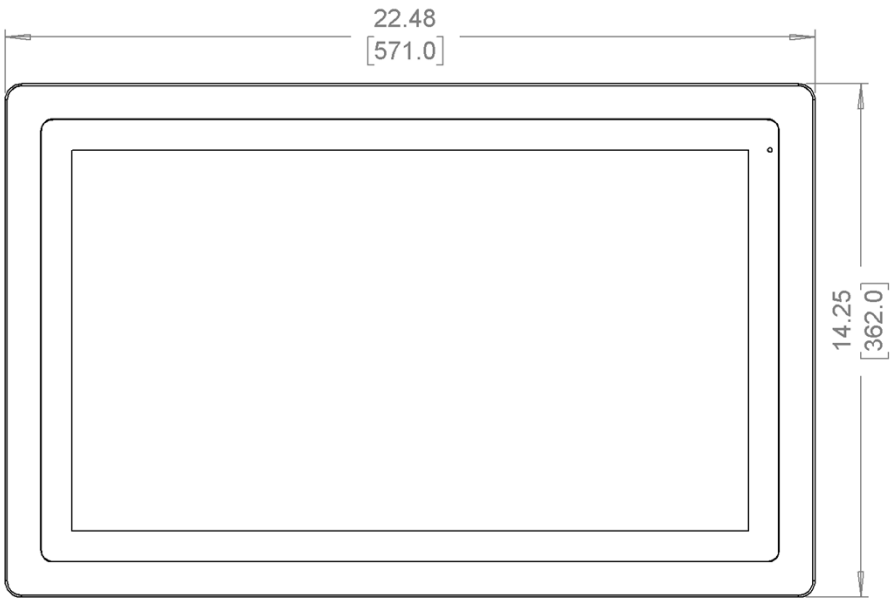
- A VESA 100 x 100 mm M4 Screw Holes
- B M12 VDC Power Connector
- C M12 LAN Connector
- D M12 USB 2.0 Connector
- E M12 COM1 Connector
- F M12 LAN Connector
- G M12 VGA Connector

AEx-921AP

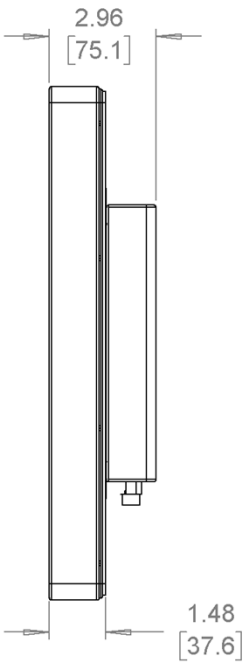


TOP VIEW

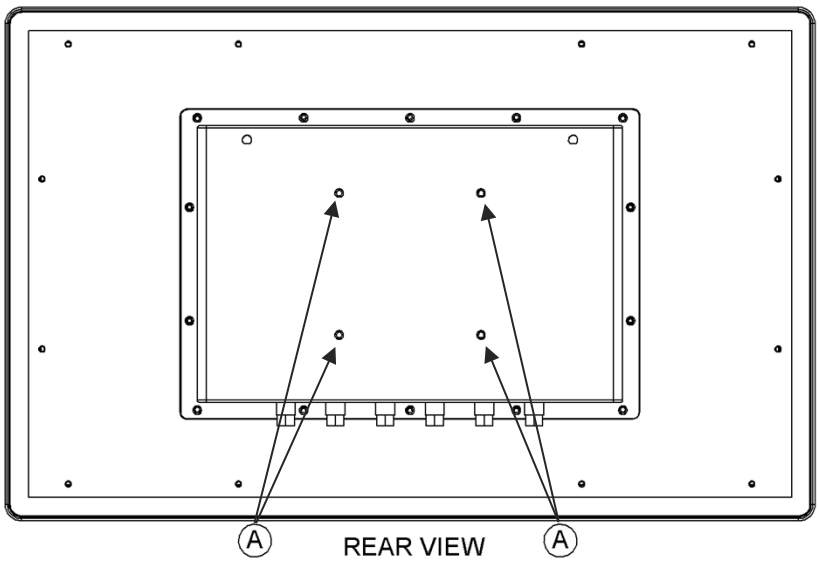
DIMENSIONS SHOWN ARE IN INCHES [MM]



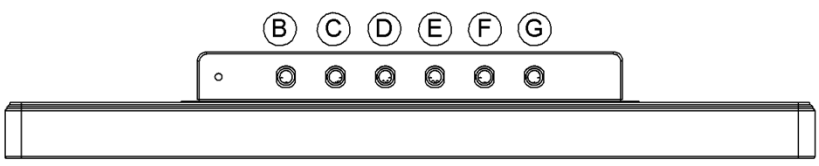
FRONT VIEW



SIDE VIEW



REAR VIEW



BOTTOM VIEW

A	VESA 100 x 100 mm M4 Screw Holes
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Save Space | Scalability | Reliable

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Class 1 Division 2 Industrial PCs

Rugged | Stainless Steel | Certified

Our Class 1 Div 2 Industrial PCs for hazardous locations are ATEx, IECEx certified. These industrial computers offer an intrinsically safe design which is ignition and explosion proof, perfect for applications in oil, gas, petrochemical, and mining. With a high performance optically bonded, capacitive touchscreen that feature 1000nits*, they are perfect for your light intensive environments.



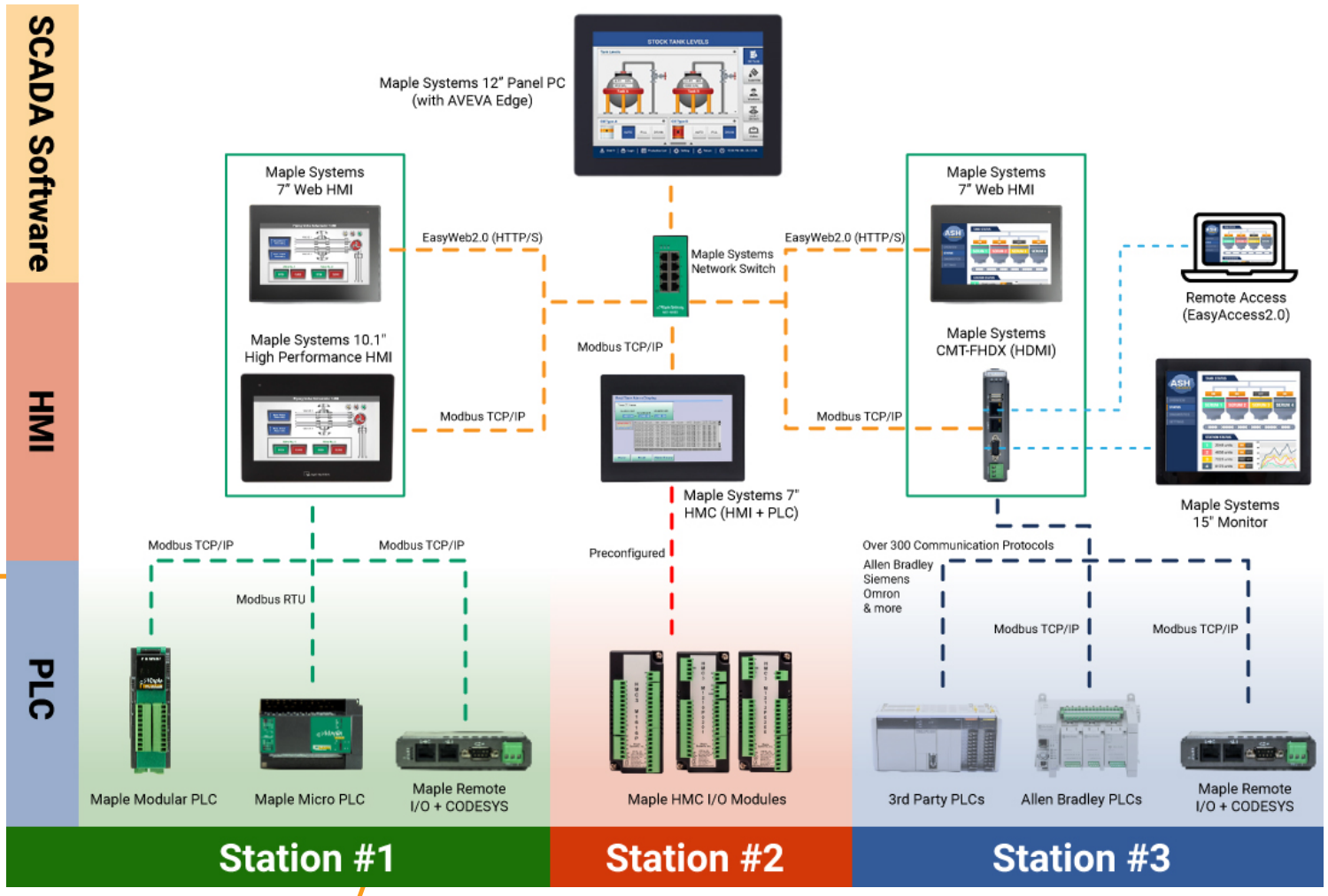


Standardizing SCADA Communications with Maple Systems Components

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.



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