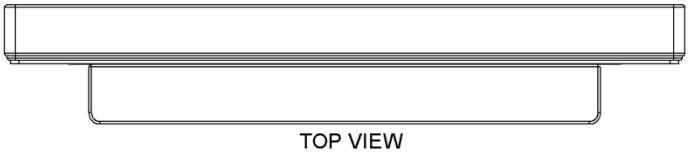
15.0” ~ 19.0” Hazardous Locations Fanless Panel PC with Intel® Celeron® N2930 CPU

- 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
- Extended Operating Temperature (-20~60°C)
- 316 Stainless Steel Chassis with IP66 Rating on All Sides
- Microsoft Windows® 10 IoT Operating System

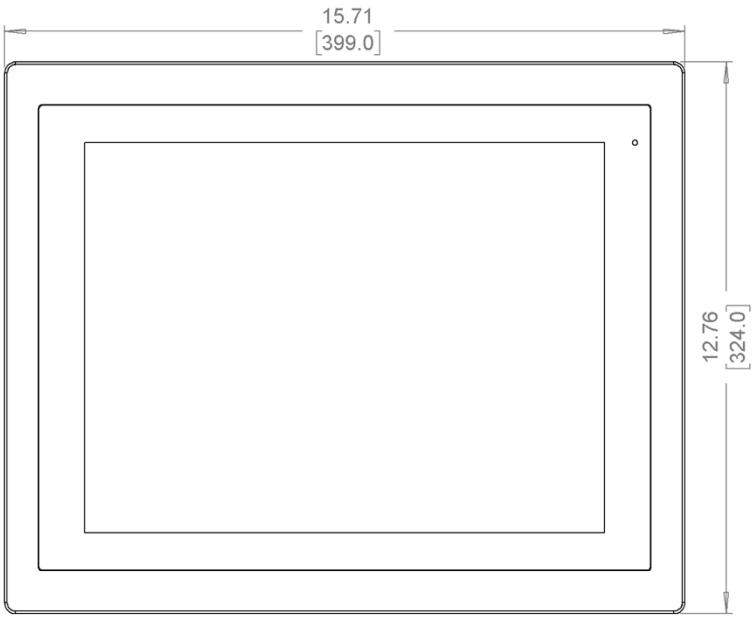
System	**CPU**	Intel® Celeron™ N2930 Quad-Core 1.83GHz Processor	
	System Chipset	SoC	
	System Memory	Onboard DDR3L 8 GB 1333 MHz	
I/O Ports	**Connector Type**	M12, with waterproof cover and tether chain*	
	USB	1 x M12 8-pin for 2 x USB 2.0 type A*	
	Serial	1 x M12 8-pin for RS-232/422/485, DE-9, COM1 (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**
	Optical Bonding	Yes	
	Max. Resolution	1024 x 768	1280 x 1024
	Max. Color	262K	16.7M
	Luminance (cd/m²)	1000	1000
	View Angle (H°/V°)	160/140	170/160
	Contrast Ratio	800:1	1000:1
	Backlight Lifetime (hrs)	50,000+	70,000+
Storage	**Internal Storage Device**	1 x 128 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
	Input Current	1.12-4.48 A	1.83-7.31 A
	Input Power (max.)	40.3 W	65.8 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]
	Net Weight	Approx. 21.61 lbs [9.8 kg]	Approx. 27.12 lbs [12.3 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.		

AEx-815PH

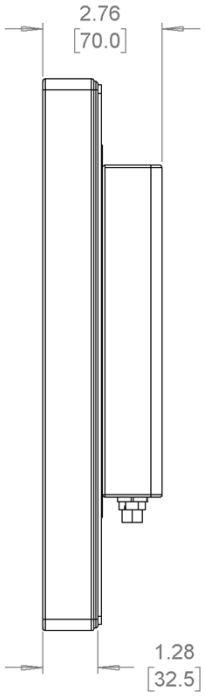


TOP VIEW

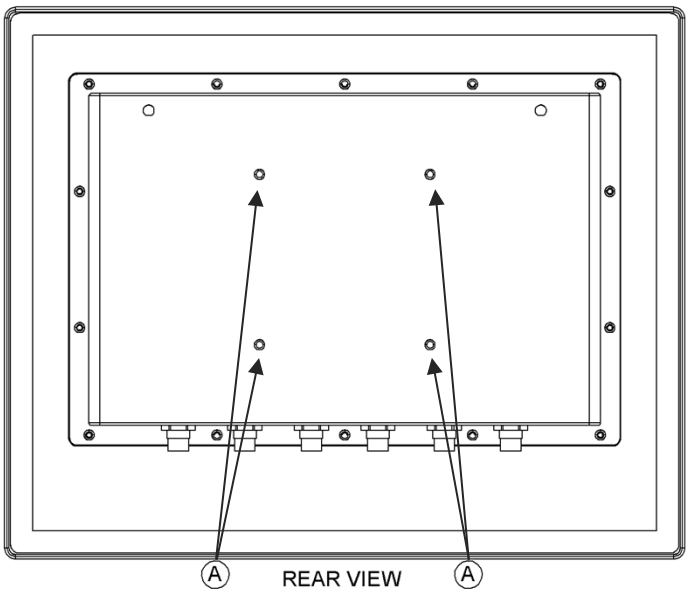
DIMENSIONS ARE IN INCHES [MM]



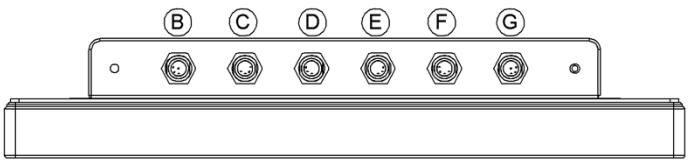
FRONT VIEW



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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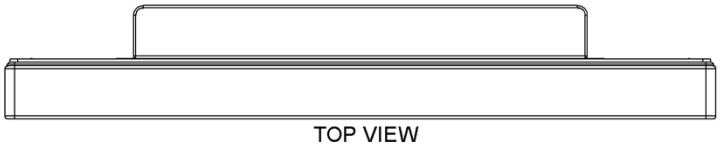

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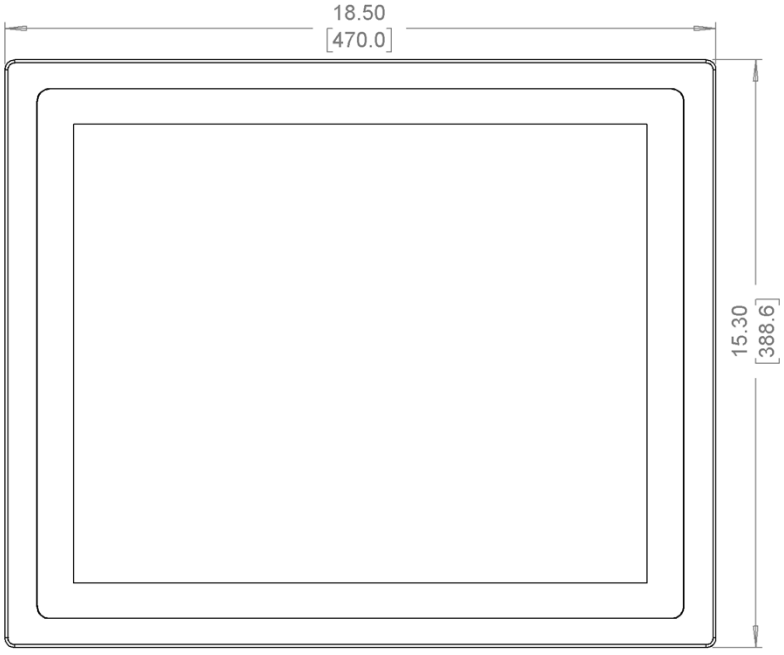

FRONT VIEW

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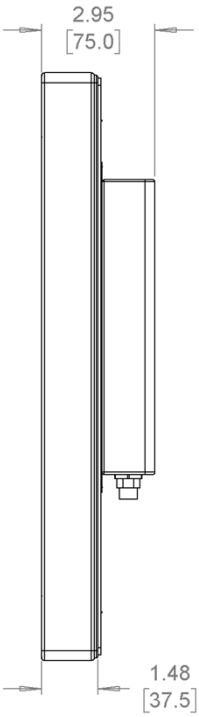

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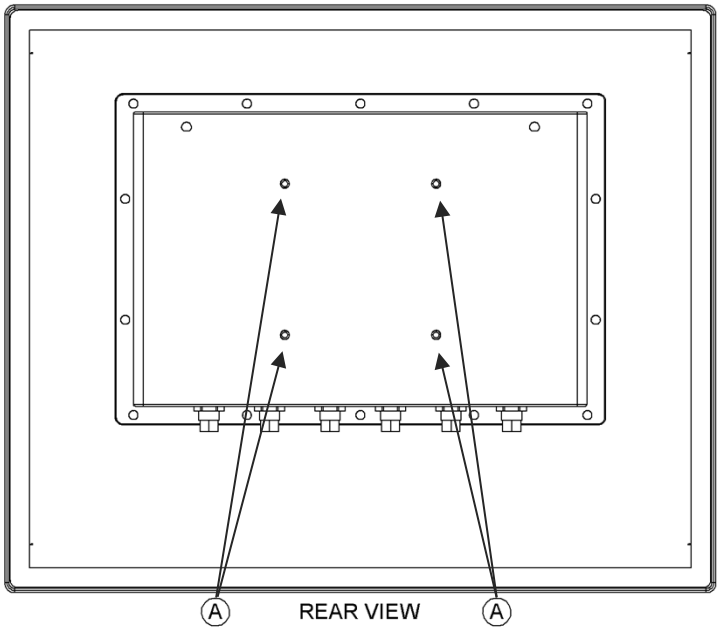

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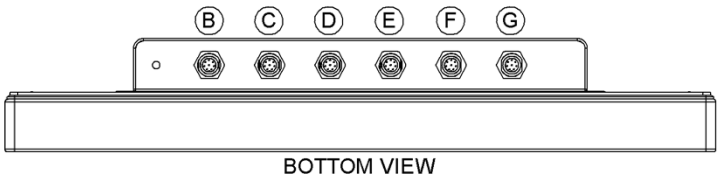

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G M12 VGA Connector

Why Buy A Maple Industrial PC

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.

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Companies have chosen Maple Systems solutions over Allen-Bradley, Omron, Siemens, Panasonic, and so many others, in hundreds of applications, in every industry, and in every type of organization. Our Industrial PCs are designed to resolve your toughest automation challenges in manufacturing, processing, and fabrication environments, and because we offer thousands of different configurations, designing your IPC to meet your unique requirements is easy.

All our Industrial PCs are ideal for applications in industrial automation, healthcare, manufacturing, oil & gas, packaging, building automation, water, energy, agriculture, food & beverage, and more. Our offerings include high brightness/sunlight readable displays, extended temperature IPCs, stainless steel enclosures, and Class I, Div 2 certified IPCs. Learn more about the industries we serve and discover why more and more companies are choosing Maple Systems.

Supports Your 3rd Party Software

Since our Industrial PCs can be configured with either a Windows™ or Linux™ Operating System, adding your own software is easy. Don't be tied to expensive industrial computers or HMIs just because of a name. Our IPCs support FactoryTalk®, Ignition SCADA®, Emerson Ovation®, Simatic SCADA®, Predator Touch HMI®, and hundreds of other HMI and SCADA software solutions.

We are a proud partner of Award-winning AVEVA™ Edge. This powerful HMI/SCADA software package enables you to create custom industrial control applications for your unique industry, putting you in the driver's seat of creating your industrial process. With easy-to-use commands/ tool bars and a Microsoft Windows® programming environment, AVEVA™ Edge's feature-rich application puts you in the driver's seat of creating your industrial process. Learn more about AVEVA Edge.

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.

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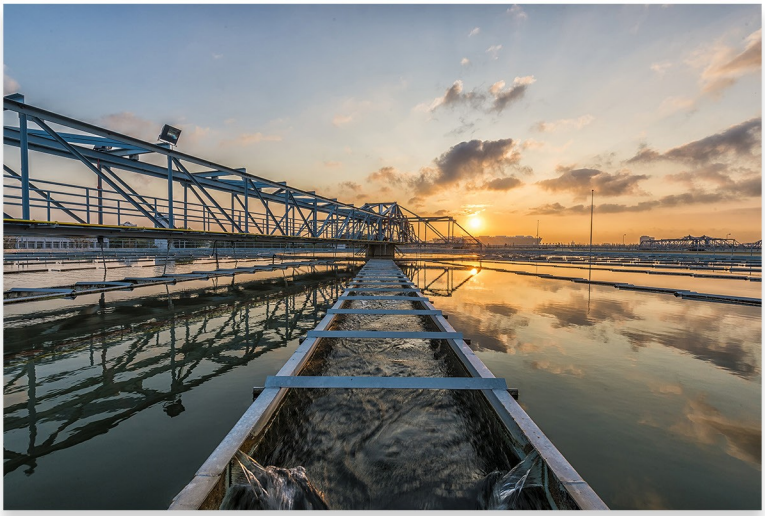
maplesystems.com

Application Story

Pharmaceutical Equipment

Adding a Maple Systems Stainless Steel Industrial Panel PC with Wi Fi to an existing machine saved this OEM time and money

This OEM manufacturer uses a Maple Systems Industrial Panel PC for their production-series tablet pressing machines. The rotary tablet press boasts features essential for successful mid-sized tableting without the full-scale price. This application required a cost effective 12" panel touch screen industrial PC with enough computing power for their custom software and reporting system. They also required the front bezel be stainless steel with a IP69K rating to meet washdown sanitization requirements. See how we support the Pharmaceutical and Medical Industry.



Case Study

Water / Wastewater Treatment

Our High Brightness Industrial Panel PC with Wi-Fi checked all the boxes for this System Integrator

During their large revamping of a utility control system, Aqua Sierra's customer North Tahoe Utilities needed a PC- based HMI to run a simple Wonderware SCADA project as an interface. The PC needed to allow 3rd party software logging and reporting tools for their utility management system. The control room facility is climate controlled with large windows and bright overhead lighting. The remote facility did not have Ethernet cabling out to the
PC location, however there was a Wi-Fi router connection nearby. Read how we support the Water & Wastewater industry.

Application Story

Dairy / Agriculture Equipment

The Stainless Steel enclosure makes this Industrial Panel PC the right choice for the food and beverage industry

This customer is a leading OEM manufacturer of custom stainless steel processing equipment and a preferred provider of quality products and services to the cheese, dairy, food, beverage and other sanitary industries. The customer's
dairy processing equipment required an IPC that operators can interface with while wearing gloves. Another major requirement is that the PC be IP69K washdown rated to endure the regular cleaning and disinfecting required; and for compliance and record keeping, the customer needed
real time data logging and storage using a 3rd party historian application running on the PC. Read more about the Food & Beverage OEMs we support

everyday.

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