

15.0" ~ 23.8" Stainless Steel Fanless



Panel PC with Intel® Celeron® J6412 Processor

- Fanless, Intel® Celeron® Quad-Core J6412 Processor
- 304 Stainless Steel Waterproof Enclosure
- IP66/IP69K on all sides
- M12 Waterproof Connectors
- Projected Capacitive Touchscreen
- Windows® 11, Windows® 10 IoT, Linux® Options
- VESA-100 Mounting



System	CPU	Intel® Celeron® J6412 Quad-Core 2.0GHz Processor		
	Graphics	Intel® UHD		
	System Chipset	SoC		
	System Memory	1 x DDR4 3200MHz SO-DIMM (8, 16, 32GB)		
I/O Ports	Connector Type	M12 Waterproof Connectors		
	USB	2 x M12 8-pin USB 2.0 (4 x USB Ports)		
	Serial	2 x M12 8-pin for RS-232/422/485, DE-9, COM1 (default RS-232)*		
	Audio	N/A		
	LAN	2 x 2.5 GbE with M12 8-pin, Intel® I225-IT; supports Wake-On-LAN		
	Expansion Option	Optional Wi-Fi kit (IEEE802.11ax card and 2 x antenna, Bluetooth 5.2 Support)		
	Power	1 x M12 4-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" TFT LCD	15.6" TFT LCD	17" TFT LCD
	Max. Resolution	1024 x 768	1366 x 768	1280 x 1024
	Max. Color	16.2M		16.7M
	Luminance (cd/m²)	450	400	350
	View Angle (H°/V°)	160/150	170/160	160/140
	Contrast Ratio	800:1	500:1	800:1
	Optical Bonding	N/A		
	Backlight Lifetime (hrs)	50,000+		
Storage	Solid State Drive Options	1 x M.2 2280 NVME 3D TLC (128, 256, 512 GB, 1TB, 2TB SSD)		
	SD Card Slot	N/A		
Electrical	Input Voltage	12/24 VDC		
	Input Current	1.04/2.08A	1.08/2.16 A	1.09/2.18 A
	Input Power (max.)	24.9 W	25.9 W	26.1 W
Mechanical	Dimensions (W x H x D)	16.54 x 13.19 x 3.63 inches [420 x 335 x 92.1 mm]	17.72 x 12.01 x 3.64 inches [450 x 305 x 92.5 mm]	17.72 x 15.00 x 3.78 inches [450 x 381 x 96 mm]
	Dimensions (W x H x D) w/Stand	16.54 x 15.24 x 6.30 inches [420 x 387.5 x 160 mm]	17.72 x 12.89 x 6.30 inches [450 x 327.5 x 160 mm]	17.72 x 17.07 x 6.30 inches [450 x 433.5 x 160 mm]
	Net Weight	Approx. 29.10 lbs [13.2 kg]		Approx. 33.07 lbs [15 kg]
	Mounting	VESA 100 x 100 mm		
	Construction	304 Stainless Steel		
Environmental	Operating Temperature	32~122°F [-0~50°C]		
	Storage Temperature	-4~176°F [-20~80°C]		
	Relative Humidity	20 to 90% @ 40°C, non-condensing		
	Vibration Resistance	5~500 Hz, 2G Acceleration, 30 Minute Duration Z, Y, and X Axis		
	Rating	IP66/IP69K All Sides		
	Certifications	RoHS / FCC / CE		
Operating System	Microsoft Windows® Options	Microsoft Windows® 10 IoT Enterprise Embedded LTSC 64-bit (EPKEA) Microsoft Windows® 10 IoT Enterprise LTSC 64-bit (PKEA) Microsoft Windows® 11 IoT Enterprise Embedded LTSC 64-bit (EPKEA) Microsoft Windows® 11 IoT Enterprise LTSC 64-bit (PKEA) Microsoft Windows® 11 Professional		
	Linux® Options	Linux® Ubuntu Desktop		
Notes	I/O cable length: 10', Power cable length: 15' Specifications subject to change without notice.			

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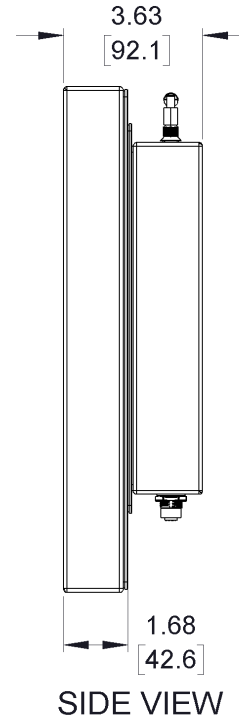
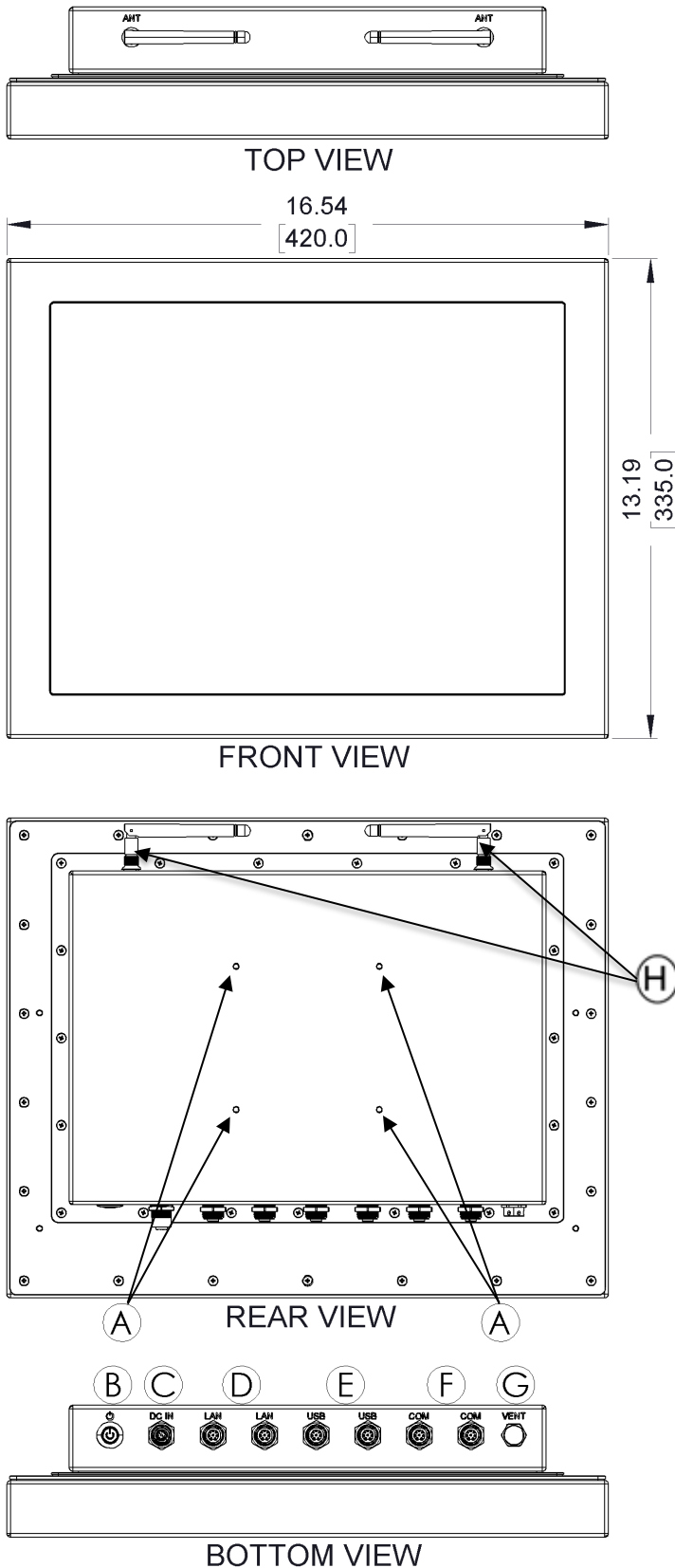
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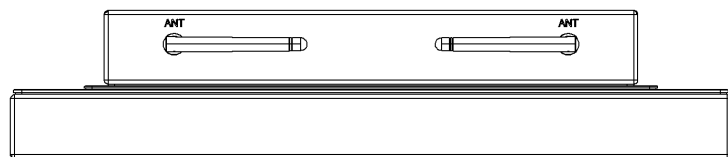
System	CPU	Intel® Celeron® J6412 Quad-Core 2.0GHz Processor	
	Graphics	Intel® UHD	
	System Chipset	SoC	
	System Memory	1 x DDR4 3200MHz SO-DIMM (8, 16, 32GB)	
I/O Ports	Connector Type	M12 Waterproof Connectors	
	USB	2 x M12 8-pin USB 2.0 (4 x USB Ports)	
	Serial	2 x M12 8-pin for RS-232/422/485, DE-9, COM1 (default RS-232)*	
	Audio	N/A	
	LAN	2 x 2.5 GbE with M12 8-pin, Intel® I225-IT; supports Wake-On-LAN	
	Expansion Option	Optional Wi-Fi kit (IEEE802.11ax card and 2 x antenna, Bluetooth 5.2 Support)	
	Power	1 x M12 4-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	21.5" TFT LCD	23.8" TFT LCD
	Max. Resolution	1920 x 1080	
	Max. Color	16.7M	
	Luminance (cd/m²)	350	400
	View Angle (H°/V°)	178/178	
	Contrast Ratio	1000:1	
	Optical Bonding	N/A	
	Backlight Lifetime (hrs)	50,000+	
Storage	Solid State Drive Options	1 x M.2 2280 NVME 3D TLC (128, 256, 512 GB, 1TB, 2TB SSD)	
	SD Card Slot	N/A	
Electrical	Input Voltage	12/24 VDC	
	Input Current	1.11/2.23 A	1.13/2.26 A
	Input Power (max.)	26.8 W	27.2 W
Mechanical	Dimensions (W x H x D)	23.23 x 15.55 x 3.63 inches [590 x 395 x 92.3 mm]	25.00 x 15.91 x 3.61 inches [635 x 404 x 91.8 mm]
	Dimensions (W x H x D) w/Stand	23.23 x 17.62 x 6.30 inches [590 x 447.5 x 160 mm]	25.00 x 18.23 x 6.30 inches [635 x 463 x 160 mm]
	Net Weight	Approx. 37.48 lbs [17 kg]	Approx. 41.89 lbs [19 kg]
	Mounting	VESA 100 x 100 mm	
	Construction	304 Stainless Steel	
Environmental	Operating Temperature	32~122°F [-0~50°C]	
	Storage Temperature	-4~176°F [-20~80°C]	
	Relative Humidity	20 to 90% @ 40°C, non-condensing	
	Vibration Resistance	5~500 Hz, 2G Acceleration, 30 Minute Duration Z, Y, and X Axis	
	Rating	IP66/IP69K All Sides	
	Certifications	RoHS / FCC / CE	
Operating System	Microsoft Windows® Options	Microsoft Windows® 10 IoT Enterprise Embedded LTSC 64-bit (EPKEA) Microsoft Windows® 10 IoT Enterprise LTSC 64-bit (PKEA) Microsoft Windows® 11 IoT Enterprise Embedded LTSC 64-bit (EPKEA) Microsoft Windows® 11 IoT Enterprise LTSC 64-bit (PKEA) Microsoft Windows® 11 Professional	
	Linux® Options	Linux® Ubuntu Desktop	
Notes	I/O cable length: 10', Power cable length: 15' Specifications subject to change without notice.		

PC8115AP

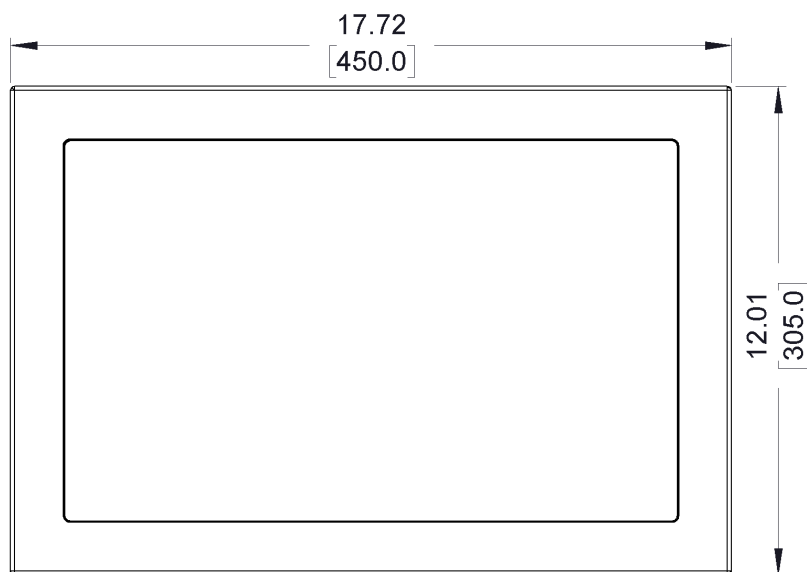


- A VESA 100 x 100 mm M4 Screw Holes
- B Power Button
- C M12 VDC Power Connector
- D M12 LAN Connectors
- E M12 USB 2.0 Connectors
- F M12 COM Connectors
- G Pressure Relief Vent
- H Wi-Fi Antenna Connector (nonfunctional unless Wi-Fi option purchased)

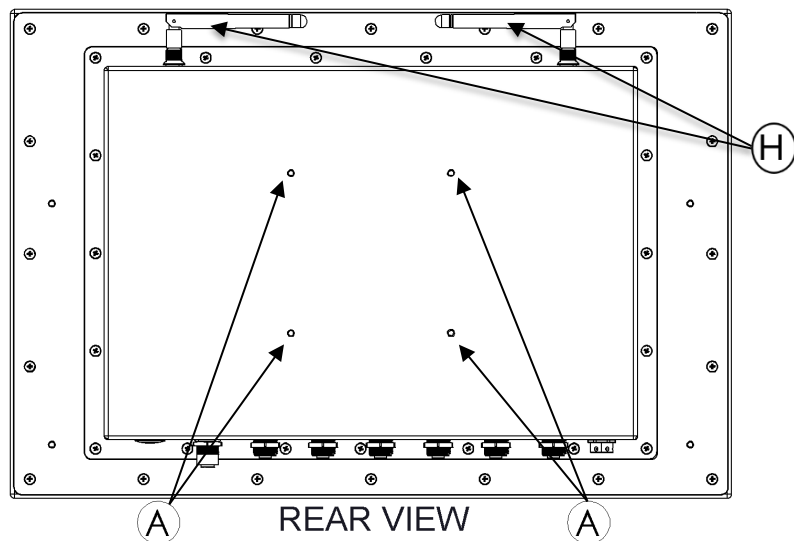
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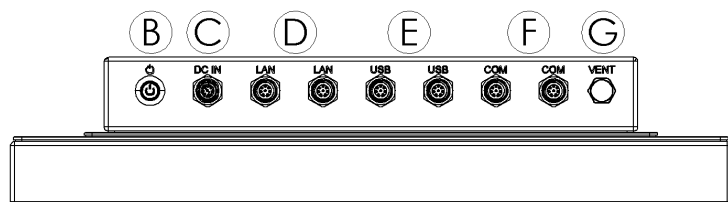
TOP VIEW



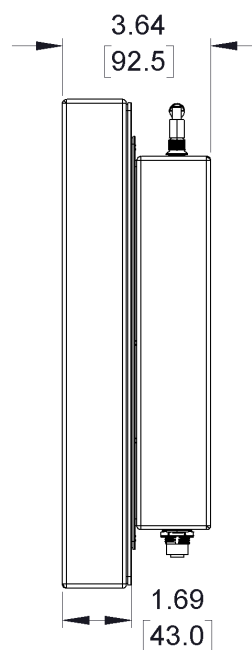
FRONT VIEW



REAR VIEW



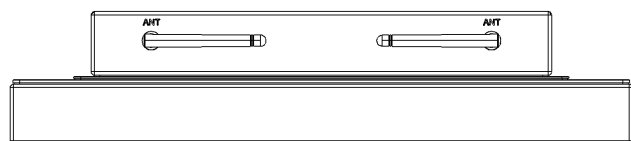
BOTTOM VIEW



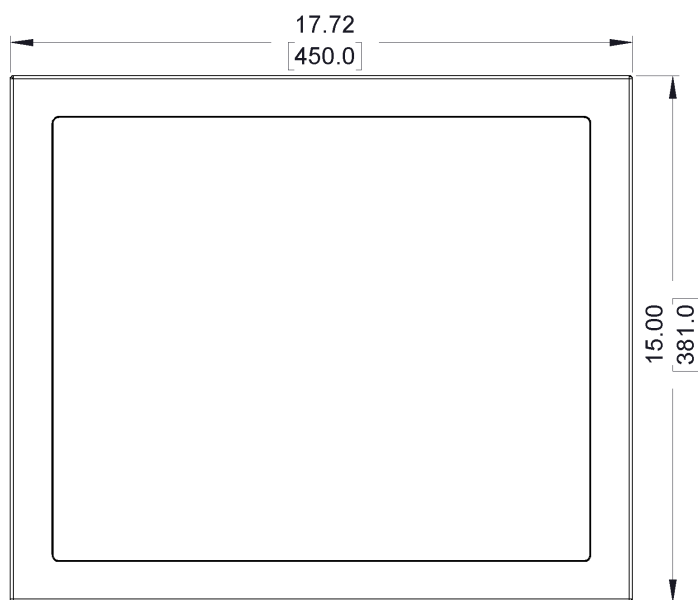
SIDE VIEW

- A VESA 100 x 100 mm M4 Screw Holes
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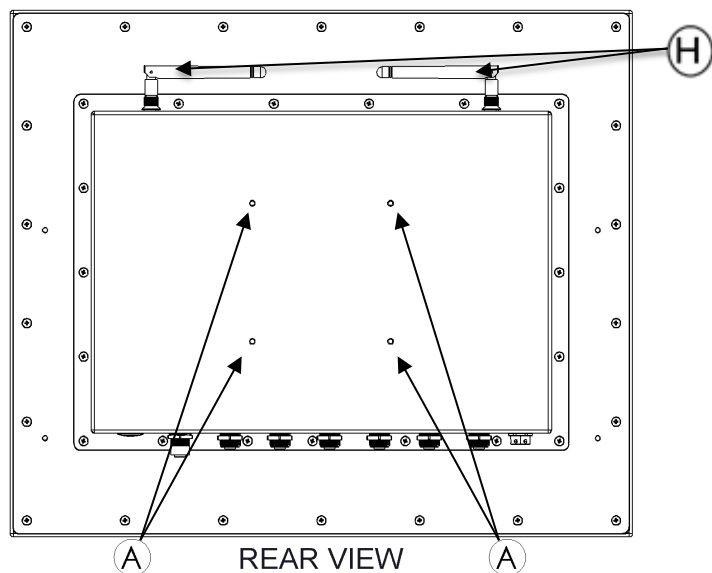
PC8117AP



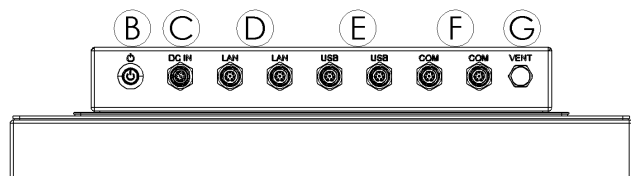
TOP VIEW



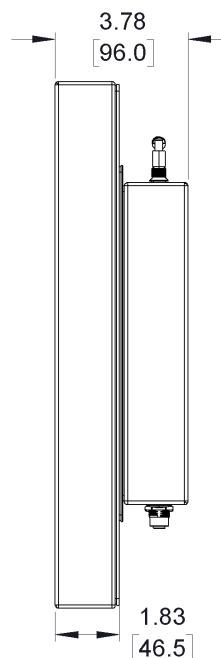
FRONT VIEW



REAR VIEW



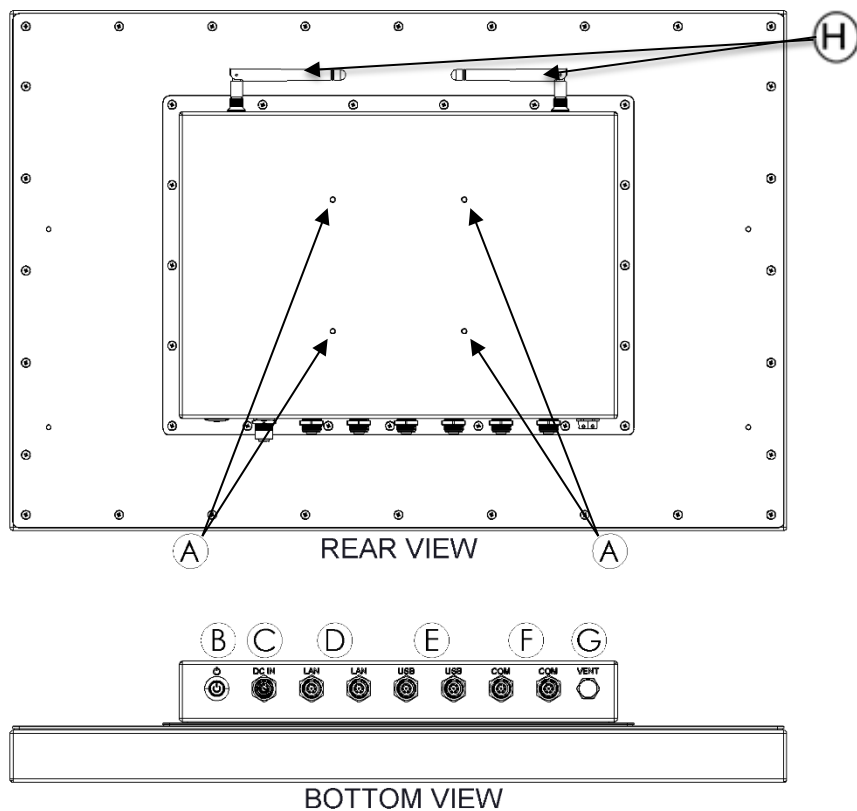
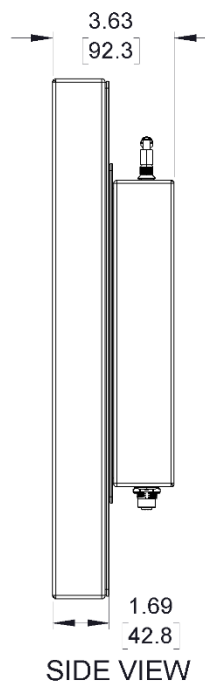
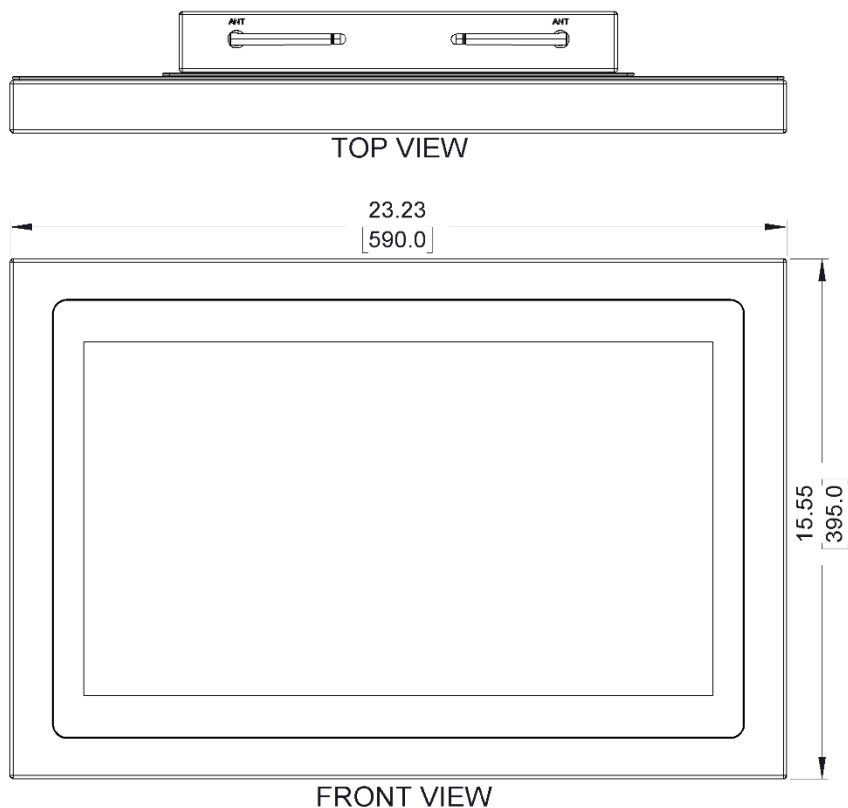
BOTTOM VIEW



SIDE VIEW

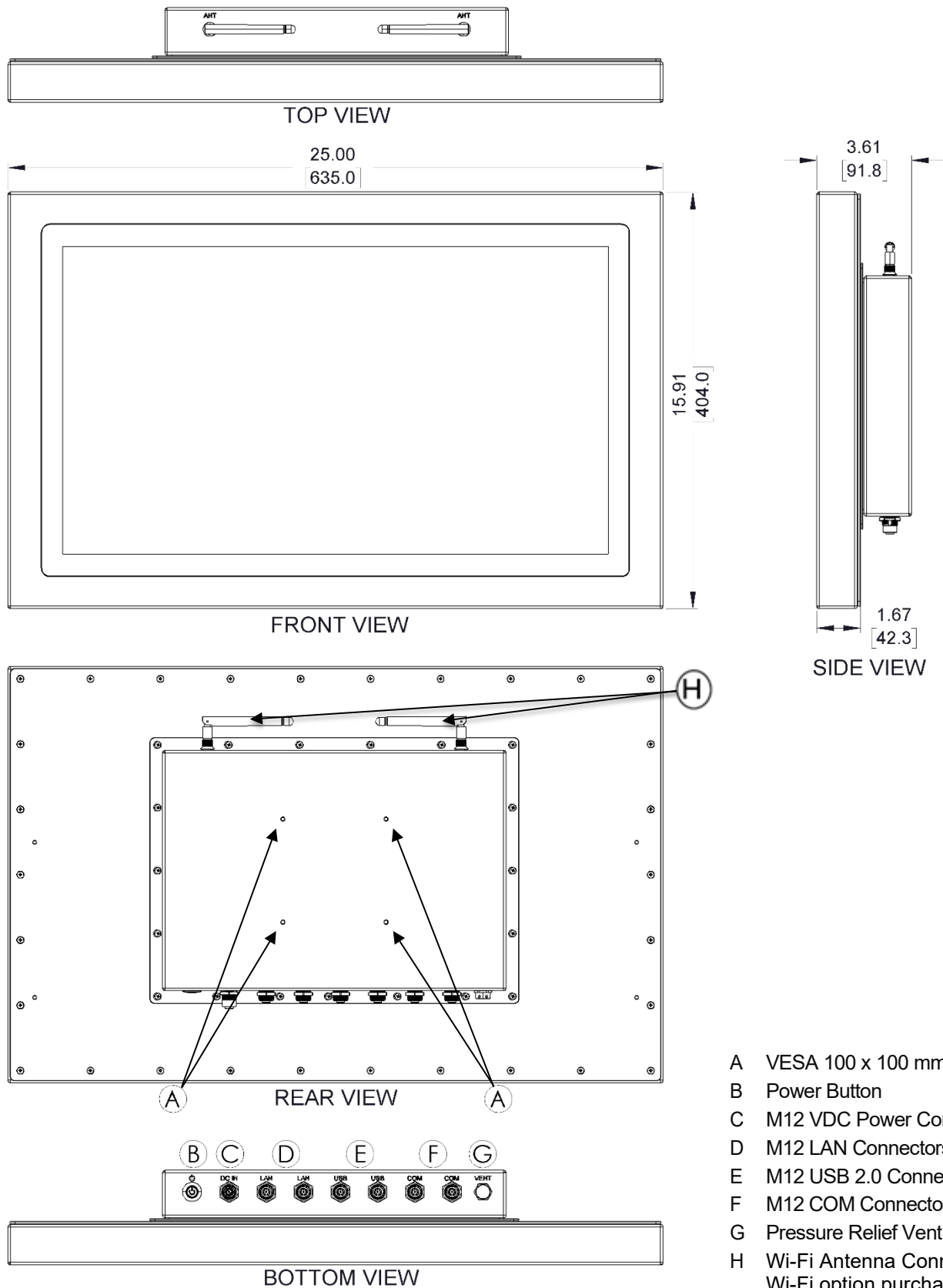
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- H Wi-Fi Antenna Connector (nonfunctional unless Wi-Fi option purchased)

PC8121AP



- A VESA 100 x 100 mm M4 Screw Holes
- B Power Button
- C M12 VDC Power Connector
- D M12 LAN Connectors
- E M12 USB 2.0 Connectors
- F M12 COM Connectors
- G Pressure Relief Vent
- H Wi-Fi Antenna Connector (nonfunctional unless Wi-Fi option purchased)

PC8124AP



- A VESA 100 x 100 mm M4 Screw Holes
- B Power Button
- C M12 VDC Power Connector
- D M12 LAN Connectors
- E M12 USB 2.0 Connectors
- F M12 COM Connectors
- G Pressure Relief Vent
- H Wi-Fi Antenna Connector (nonfunctional unless Wi-Fi option purchased)

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.



Customize To Meet Your Needs

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.

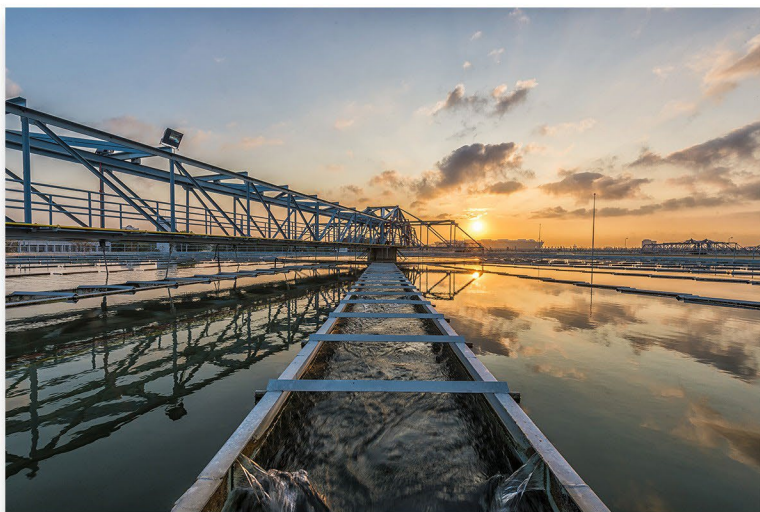
Our products can help you standardize communications between devices, gluing different systems together for one source to your SCADA. No need to redesign your entire application. Keep the components that are already working for you, just add Maple Systems components to grow your abilities to supervise,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

[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.

