



## 7.0" ~ 21.5" Fanless Panel PC

### With Intel® Pentium® N4200 Processor

- 118% Increased CPU Performance\*
- Microsoft Windows® 10 IoT OS
- Robust Compact Design
- IP66 Rated Aluminum Enclosure
- Panel or VESA mountable

<b>System</b>	<b>CPU</b>	Intel® Pentium™ Apollo Lake™ N4200 Quad-Core 1.1GHz Processor			
	<b>System Chipset</b>	SoC			
	<b>System Memory</b>	Onboard DDR3L 4 GB 1600 MHz			
<b>I/O Ports</b>	<b>USB</b>	2 x USB 3.0 type A			
	<b>Serial</b>	1 x RS-232/422/485 DE-9P, COM1 (default RS-232) 1 x RS-232 DE-9P, COM2			
	<b>Audio</b>	1 x 3.5 mm line out			
	<b>LAN</b>	2 x GbE RJ-45			
	<b>Power</b>	3-pin connector header, DC power input			
	<b>Remote Power Switch</b>	2-pin connector header			
	<b>Expansion</b>	<b>Expansion Slot</b>	Optional Wi-Fi kit (Wi-Fi card and antenna)		
<b>Touch Screen</b>	<b>Type</b>	5-wire resistive touch			
	<b>Interface</b>	USB			
	<b>Light Transmission</b>	80+%			
<b>Display</b>	<b>Display Type</b>	<b>7.0" WVGA TFT LCD</b>	<b>8.0" SVGA TFT LCD</b>	<b>10.1" WXGA TFT LCD</b>	<b>12.1" SVGA TFT LCD</b>
	<b>Max. Resolution</b>	800 x 480	800 x 600	1280 x 800	800 x 600
	<b>Max. Color</b>	262K	16.2M	16.7M	262K
	<b>Luminance (cd/m<sup>2</sup>)</b>	350	350	350	450
	<b>View Angle (H°/V°)</b>	140/120	140/120	170/170	178/178
	<b>Contrast Ratio</b>	400:1	500:1	800:1	1500:1
	<b>Backlight Lifetime (hours)</b>	30,000+	40,000+	25,000+	50,000+
<b>Storage</b>	<b>Solid State Drive Type</b>	1 x 1.8" SATA II, MLC		1 x 2.5" SATA III, MLC	
	<b>Solid State Drive Capacity Options**</b>	64, 128 GB SSD		64, 128, 256, 512 GB, 1TB SSD	
	<b>SD Card Slot</b>	1 x internal micro Secure Digital memory card socket, up to 32 GB			
<b>Electrical</b>	<b>Input Voltage</b>	9-36 VDC	9-36 VDC	9-36 VDC	9-36 VDC
	<b>Input Current</b>	0.75-3.0 A	0.78-3.11 A	0.81-3.22 A	0.92-3.67 A
	<b>Input Power (max.)</b>	27 W	28 W	29 W	33 W
<b>Mechanical</b>	<b>Dimensions (W x H x D)</b>	7.95 x 5.87 x 1.54" [202 x 149 x 39 mm]	9.09 x 6.93 x 1.97" [231 x 176 x 50 mm]	11.22 x 7.44 x 1.93" [285 x 189 x 48.9 mm]	12.56 x 9.65 x 2.03" [319 x 245 x 51.7 mm]
	<b>Net Weight</b>	~ 2.52 lbs [1.14 kg]	~ 4.19 lbs [1.9 kg]	~ 4.19 lbs [1.9 kg]	~ 6.2 lbs [2.8 kg]
	<b>Panel Cutout Dimensions (W x H)</b>	7.56 x 5.43" [192 x 138 mm]	8.74 x 6.57" [222 x 167 mm]	10.71 x 6.93" [272 x 176 mm]	11.93 x 9.02" [303 x 229 mm]
	<b>Mounting</b>	Panel mounting, VESA 75 x 75 mm	Panel mounting, VESA 75 x 75 mm	Panel mounting, VESA 100 x 100 mm	Panel mounting, VESA 100 x 100 mm
	<b>Construction</b>	Silver aluminum front bezel and chassis			
	<b>Environmental</b>	<b>Operating Temperature</b>	32~122°F [0~50°C]		
<b>Storage Temperature</b>		-22~158°F [-30~70°C]			
<b>Relative Humidity Rating</b>		10 to 90% @ 40°C, non-condensing			
<b>IP Rating</b>		IP66 / NEMA 4 when panel mounted			
<b>Certification</b>		cULus / CE / FCC Class A / RoHS			
<b>Operating System</b>	<b>Microsoft Windows® Options</b>	Microsoft Windows® 10 IoT Enterprise Embedded LTSC 64-bit (EPKEA) Microsoft Windows® 10 IoT Enterprise LTSC 64-bit (PKEA)			
<b>Notes</b>	* CPU PassMark Benchmark comparison with OMI6800A Series (Intel® Celeron™ N2930 CPU) ** Additional SSD options available; contact Maple Systems for details.  Specifications subject to change without notice.				



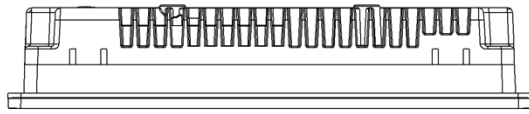
## 7.0" ~ 21.5" Fanless Panel PC

### With Intel® Pentium® N4200 Processor

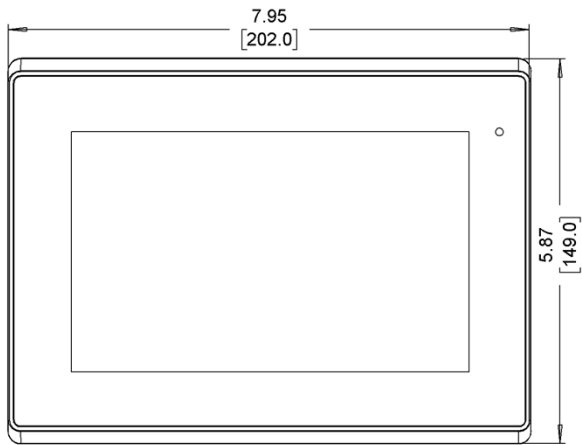
- 118% Increased CPU Performance\*
- Microsoft Windows® 10 IoT OS
- Robust Compact Design
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<b>System</b>	<b>CPU</b>	<b>Intel® Pentium™ Apollo Lake™ N4200 Quad-Core 1.1GHz Processor</b>			
	<b>System Chipset</b>	SoC			
	<b>System Memory</b>	Onboard DDR3L 4 GB 1600 MHz			
<b>I/O Ports</b>	<b>USB</b>	2 x USB 3.0 type A			
	<b>Serial</b>	1 x RS-232/422/485 DE9P, COM1 (default RS-232) 1 x RS-232 DE9P, COM2			
	<b>Audio</b>	1 x 3.5 mm line out			
	<b>LAN</b>	2 x GbE RJ-45			
	<b>Power</b>	3-pin connector header, DC power input			
	<b>Remote Power Switch</b>	2-pin connector header			
	<b>Expansion</b>	<b>Expansion Slot</b>	Optional Wi-Fi kit (Wi-Fi card and antenna)		
<b>Touch Screen</b>	<b>Type</b>	5-wire resistive touch			
	<b>Interface</b>	USB			
	<b>Light Transmission</b>	80+%			
<b>Display</b>	<b>Display Type</b>	<b>15.0" XGA TFT LCD</b>	<b>15.6" WXGA TFT LCD</b>	<b>18.5" WXGA TFT LCD</b>	<b>21.5" FHD TFT LCD</b>
	<b>Max. Resolution</b>	1024 x 768	1366 x 768	1366 x 768	<b>1920 x 1080</b>
	<b>Max. Color</b>	16.2M	16.7M	16.7M	16.7M
	<b>Luminance (cd/m²)</b>	300	300	300	250
	<b>View Angle (H°/V°)</b>	176/176	160/160	170/160	178/178
	<b>Contrast Ratio</b>	2000:1	500:1	1000:1	3000:1
	<b>Backlight Lifetime (hours)</b>	70,000+	50,000+	50,000+	30,000+
<b>Storage</b>	<b>Solid State Drive Type</b>	1 x 2.5" SATA III, MLC			
	<b>Solid State Drive Capacity Options*</b>	64, 128, 256, 512 GB, 1TB SSD			
	<b>SD Card Slot</b>	1 x internal micro Secure Digital memory card socket, up to 32 GB			
<b>Electrical</b>	<b>Input Voltage</b>	9-36 VDC	9-36 VDC	9-36 VDC	9-36 VDC
	<b>Input Current</b>	0.86-3.44 A	0.92-3.67 A	1.19-4.78 A	1.19-4.78 A
	<b>Input Power (max).</b>	31 W	33 W	43 W	43 W
<b>Mechanical</b>	<b>Dimensions (W x H x D)</b>	16.14 x 12.20 x 2.15" [410 x 310 x 54.67 mm]	16.23 x 10.93 x 2.37" [412 x 277.5 x 60.4 mm]	19.67 x 12.39 x 2.57" [499.6 x 314.6 x 65.4 mm]	21.94 x 14.26 x 2.56" [557.3 x 362.3 x 64.8 mm]
	<b>Net Weight</b>	~ 9.7 lbs [4.4 kg]	~ 10.58 lbs [4.8 kg]	~ 13.01 lbs [5.9 kg]	~ 16.53 lbs [7.5 kg]
	<b>Panel Cutout Dimensions (W x H)</b>	15.43 x 11.50" [392 x 292 mm]	15.51 x 10.24" [394 x 260 mm]	18.98 x 11.69" [482 x 297 mm]	21.22 x 13.54" [539 x 344 mm]
	<b>Mounting</b>	Panel mounting, VESA 100 x 100 mm	Panel mounting, VESA 100 x 100 mm	Panel mounting, VESA 100 x 100 mm	Panel mounting, VESA 100 x 100 mm
	<b>Construction</b>	Silver aluminum front bezel and chassis			
<b>Environmental</b>	<b>Operating Temperature</b>	32~122°F [0~50°C]			
	<b>Storage Temperature</b>	-22~158°F [-30~70°C]			
	<b>Relative Humidity Rating</b>	10 to 90% @ 40°C, non-condensing			
	<b>Certification</b>	IP66 / NEMA 4 when panel mounted cULus / CE / FCC Class A / RoHS			
<b>Operating System</b>	<b>Microsoft Windows® Options</b>	Microsoft Windows® 10 IoT Enterprise Embedded LTSC 64-bit (EPKEA) Microsoft Windows® 10 IoT Enterprise LTSC 64-bit (PKEA)			
<b>Notes</b>	* CPU PassMark Benchmark comparison with OMI6800A Series (Intel® Celeron™ N2930 CPU) ** Additional SSD options available; contact Maple Systems for details.				
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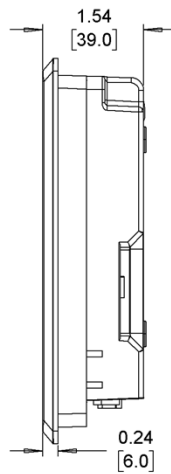
## OMI6807



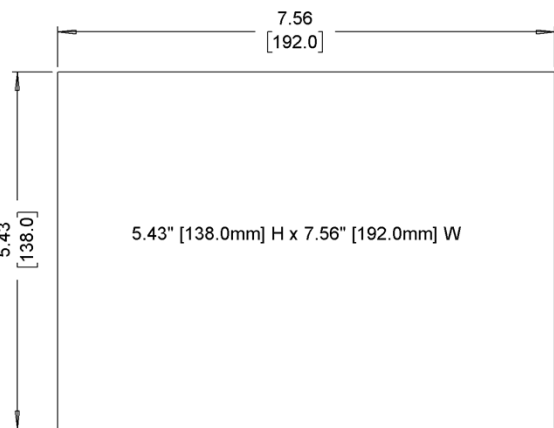
Top View



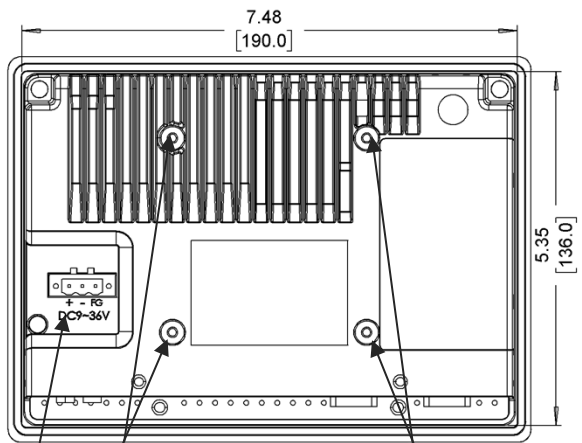
Front View



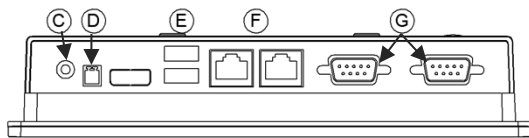
Side View



Cutout Dimensions



Rear View

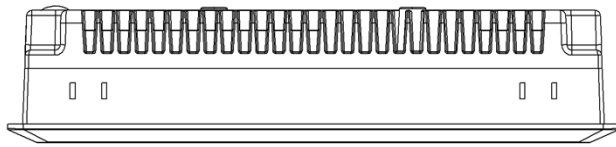


Bottom View

Dimensions are in inches [mm]

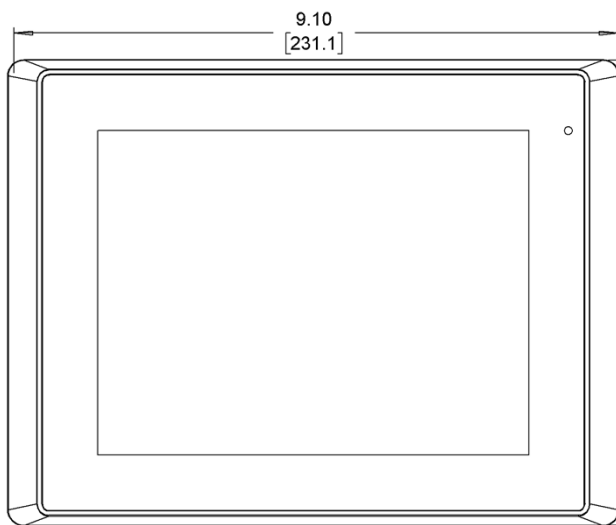
- A Power Connector
- B VESA 75 mm Screw Holes
- C Line Out
- D Remote Power Switch Connector
- E USB 3.0 Host Ports
- F Gigabit Ethernet Ports
- G DE9P COM Ports

## OMI6808

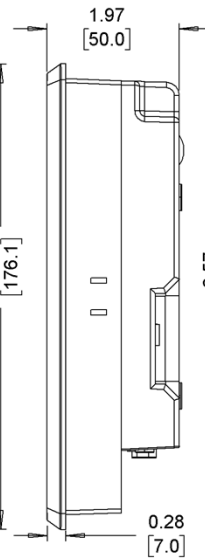


Top View

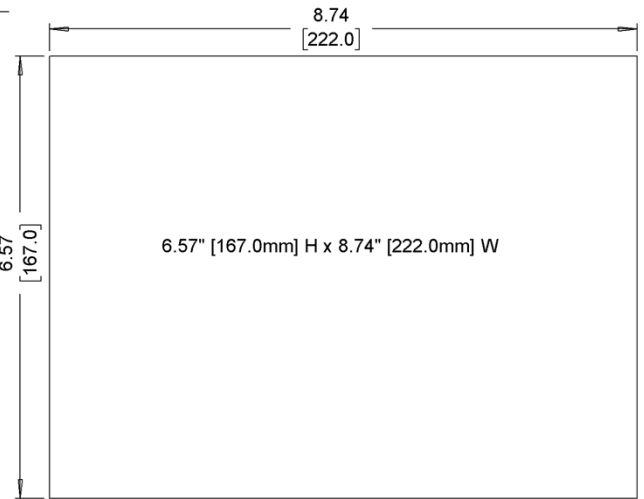
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Front View

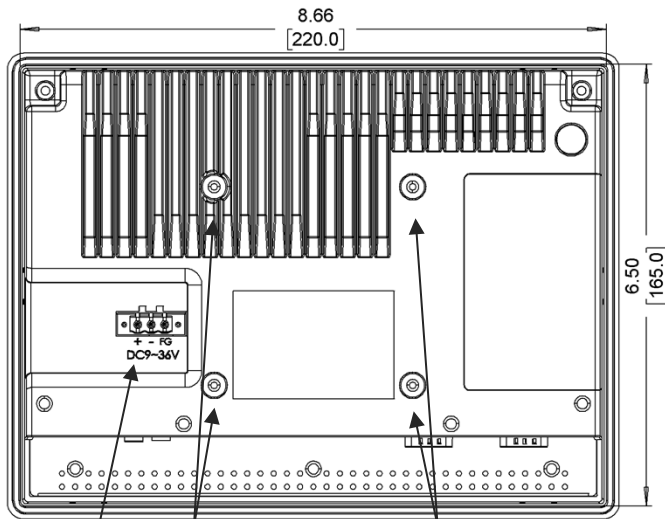


Side View

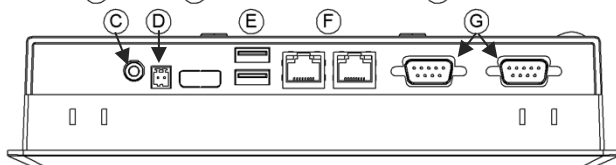


6.57" [167.0mm] H x 8.74" [222.0mm] W

Cutout Dimensions



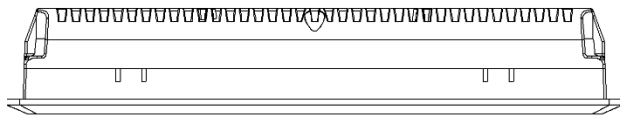
Rear View



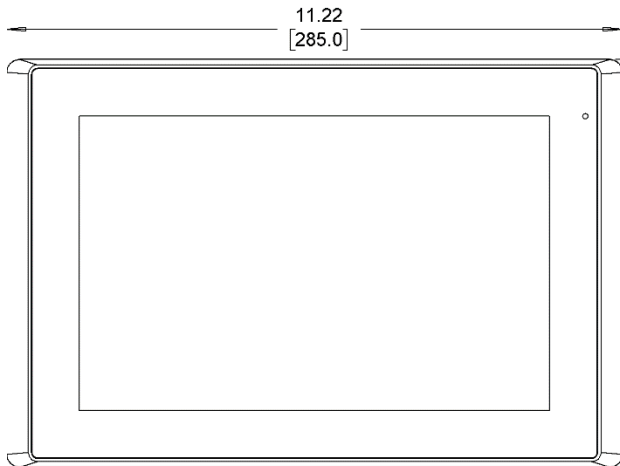
Bottom View

- A Power Connector
- B VESA 75 mm Screw Holes
- C Line Out
- D Remote Power Switch Connector
- E USB 3.0 Host Ports
- F Gigabit Ethernet Ports
- G DE9P COM Ports

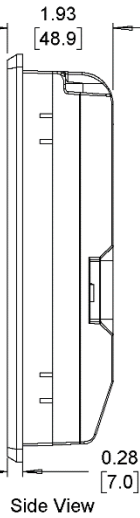
## OMI6810



Top View

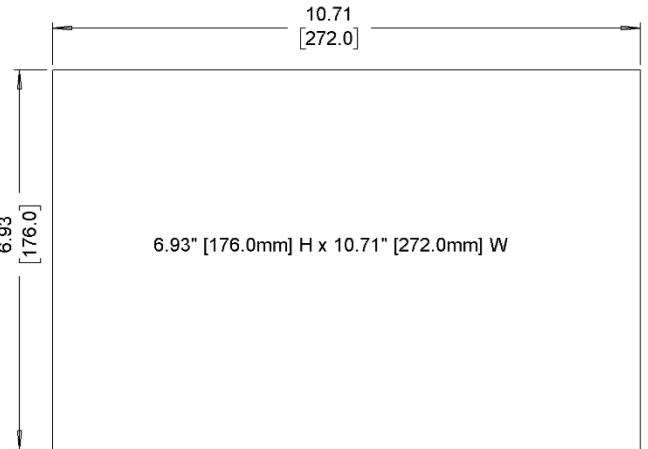


Front View

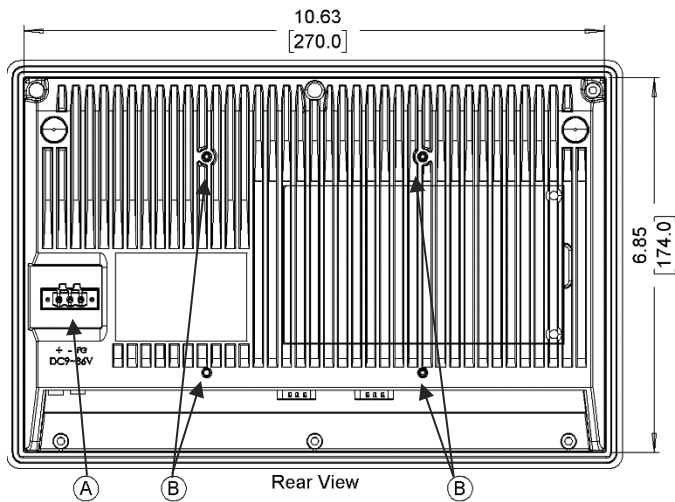


Side View

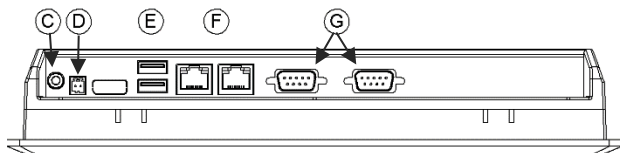
Dimensions are in inches [mm]



Cutout Dimensions



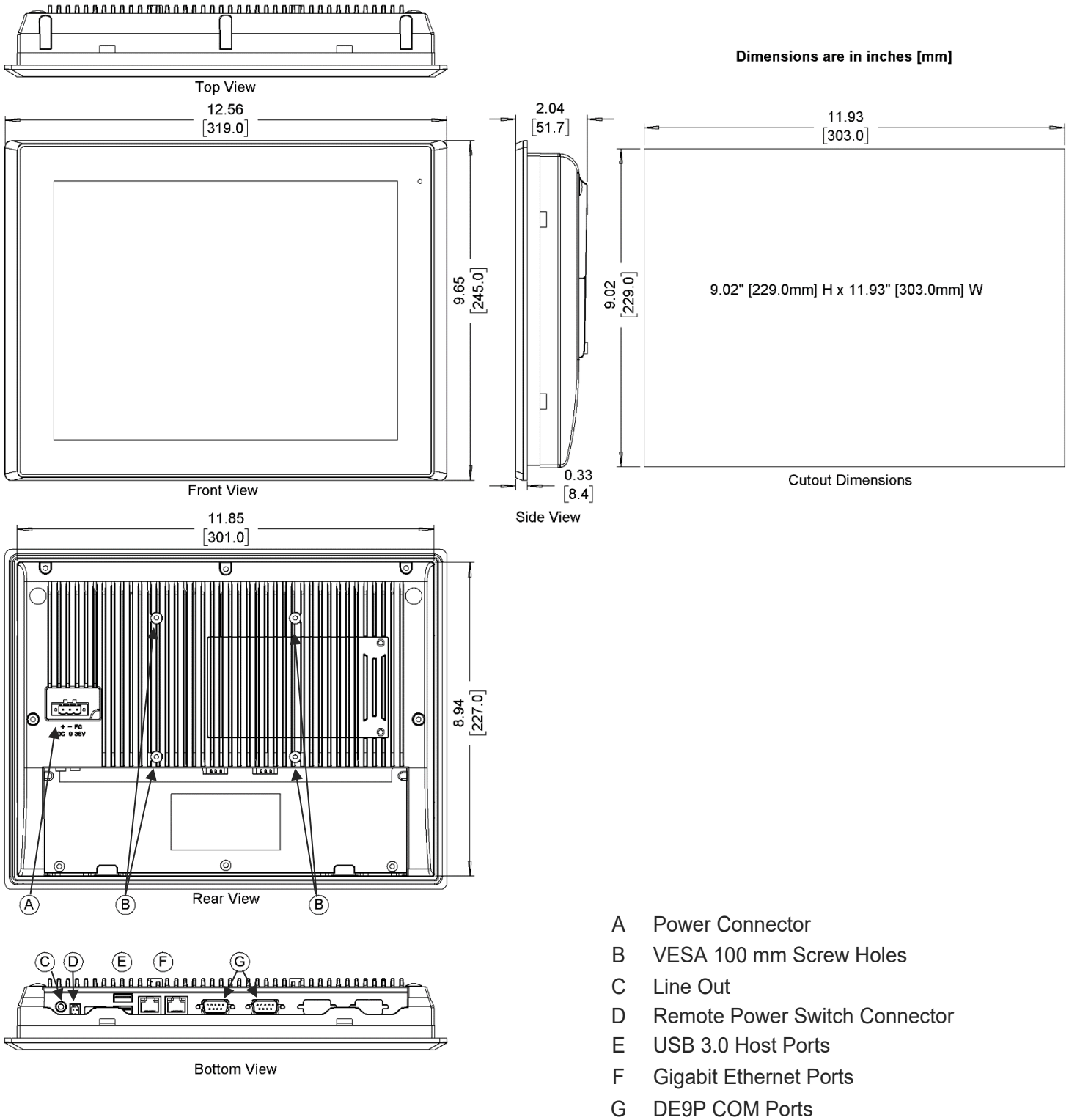
Rear View



Bottom view

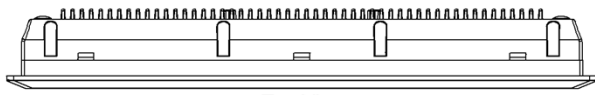
- A Power Connector
- B VESA 100 mm Screw Holes
- C Line Out
- D Remote Power Switch Connector
- E USB 3.0 Host Ports
- F Gigabit Ethernet Ports
- G DE9P COM Ports

## OMI6812

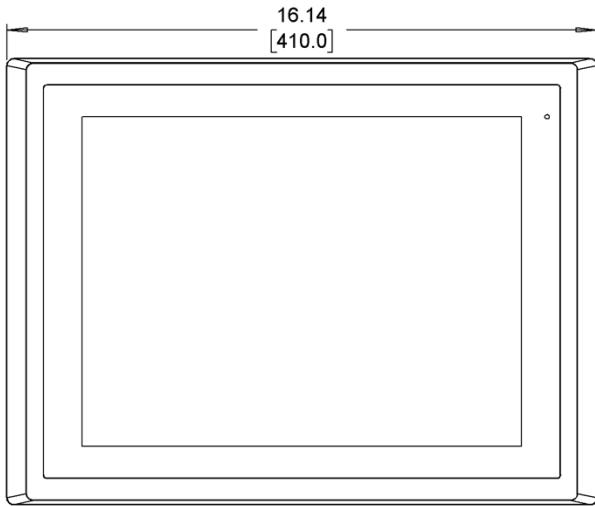


## OMI6815

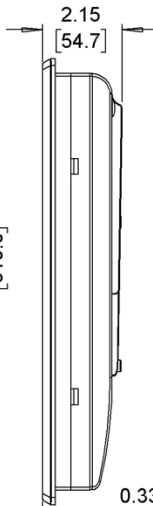
Dimensions are in inches [mm]



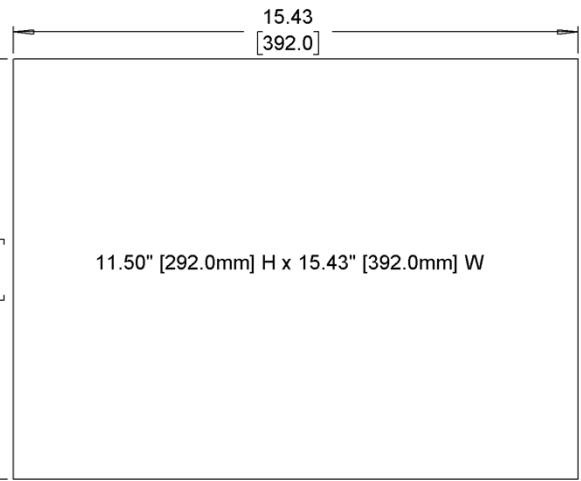
Top View



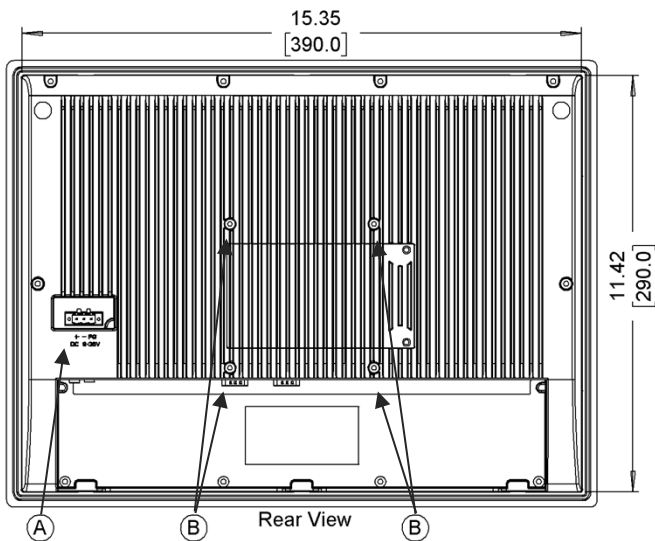
Front View



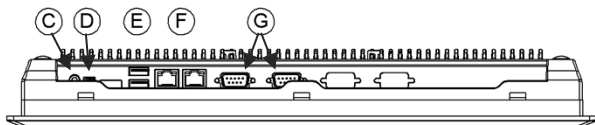
Side View



Cutout Dimensions



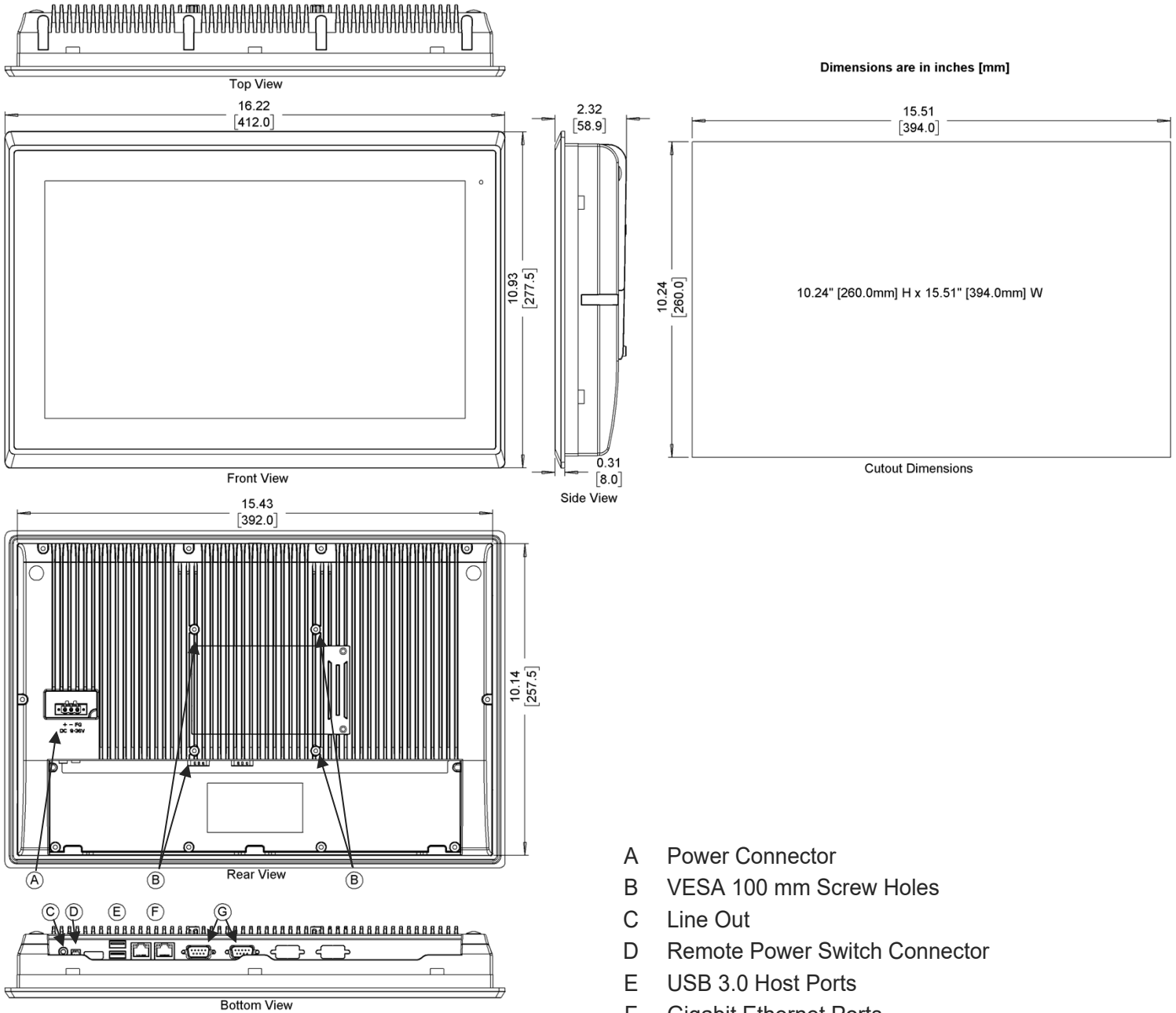
Rear View



Bottom View

- A Power Connector
- B VESA 100 mm Screw Holes
- C Line Out
- D Remote Power Switch Connector
- E USB 3.0 Host Ports
- F Gigabit Ethernet Ports
- G DE9P COM Port

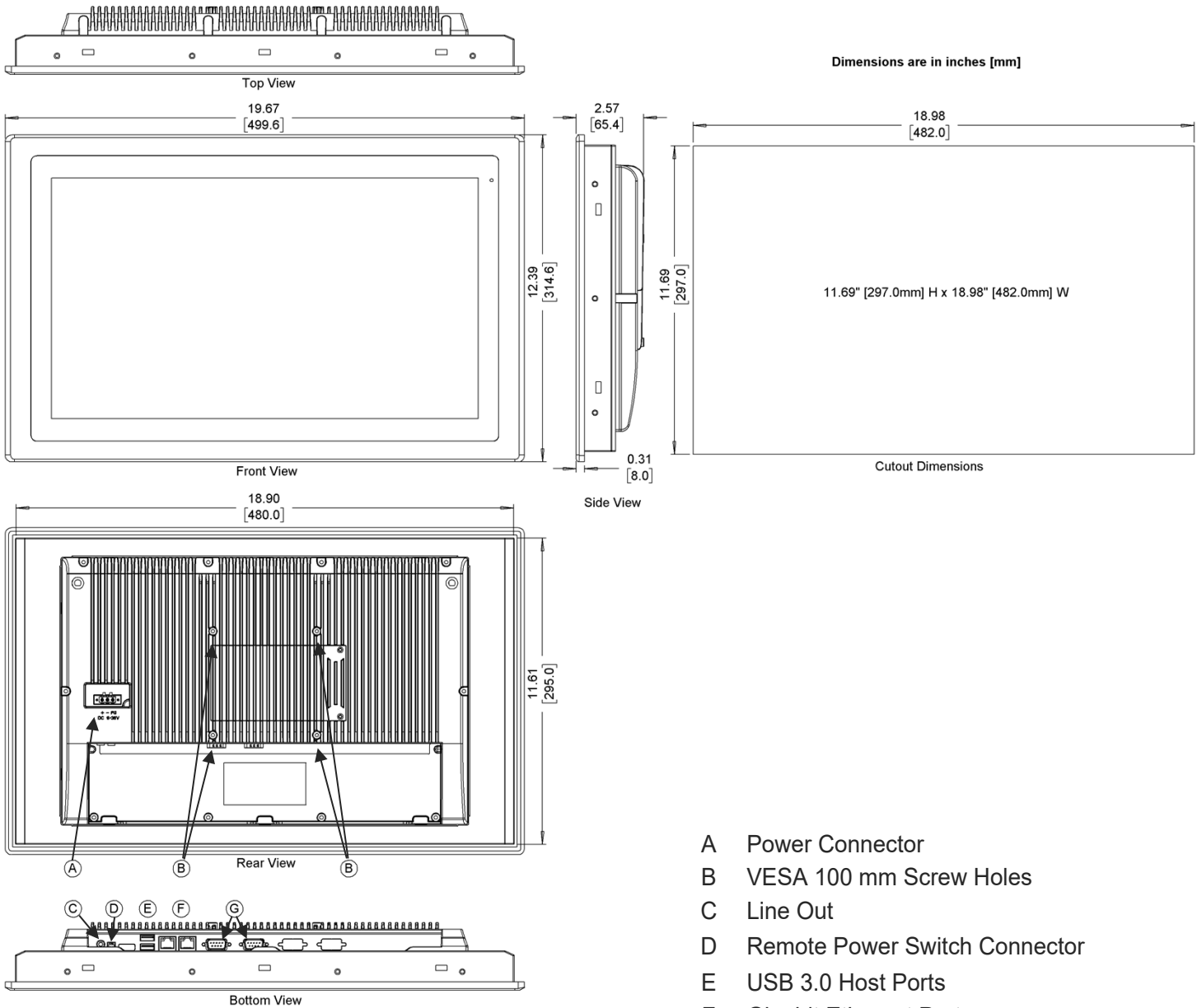
## OMI6816



- A Power Connector
- B VESA 100 mm Screw Holes
- C Line Out
- D Remote Power Switch Connector
- E USB 3.0 Host Ports
- F Gigabit Ethernet Ports
- G DE9P COM Port

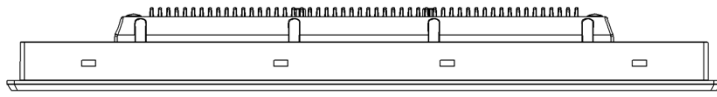


## OMI6818

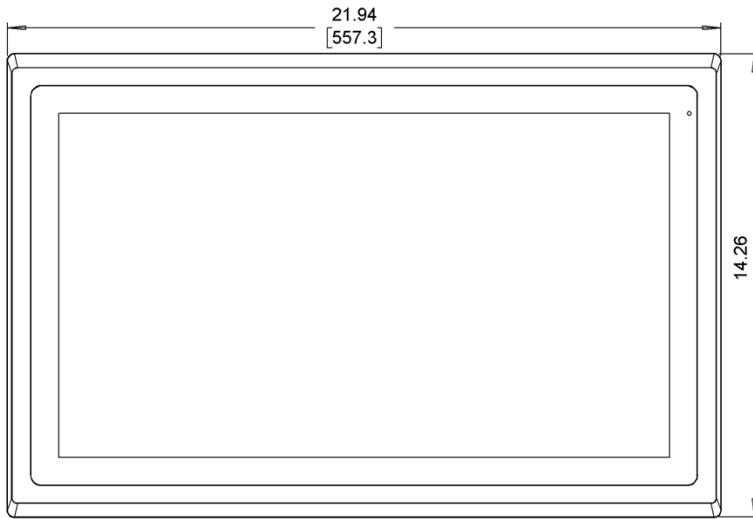


- A Power Connector
- B VESA 100 mm Screw Holes
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- E USB 3.0 Host Ports
- F Gigabit Ethernet Ports
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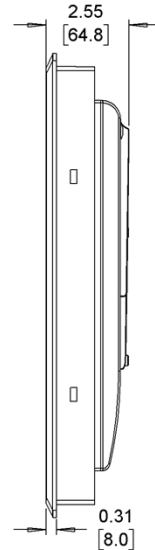
## OMI6821



Top View

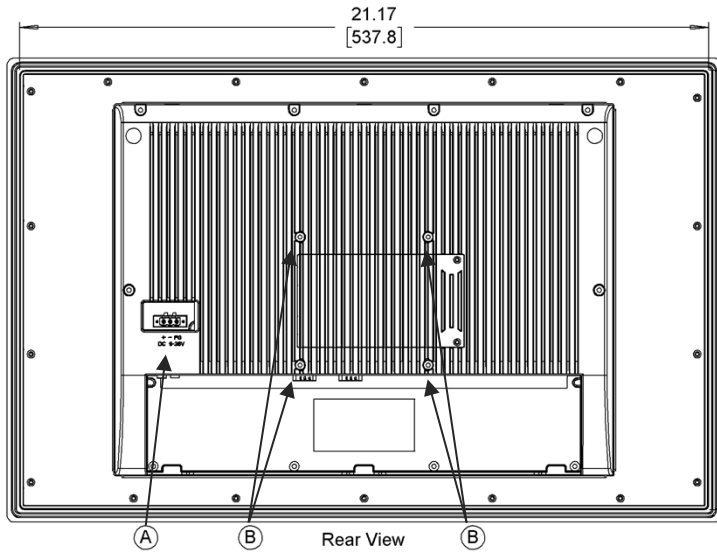


Front View

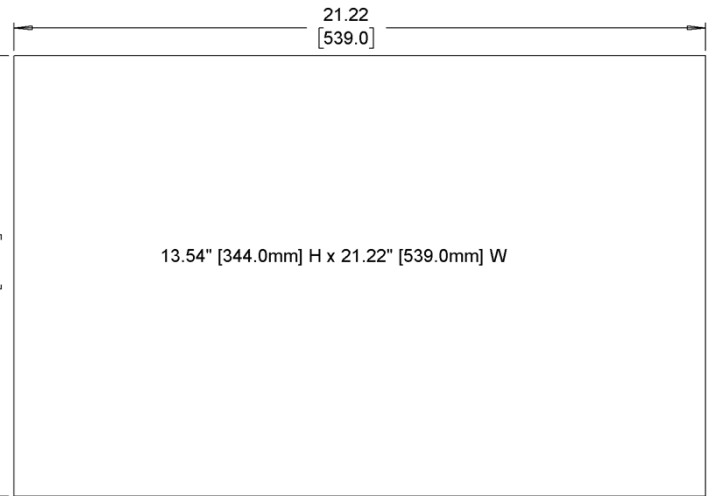


Side View

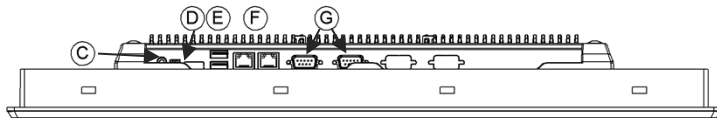
Dimensions are in inches [mm]



Rear View



Cutout Dimensions



Bottom View

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- B VESA 100 mm Screw Holes
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## 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.

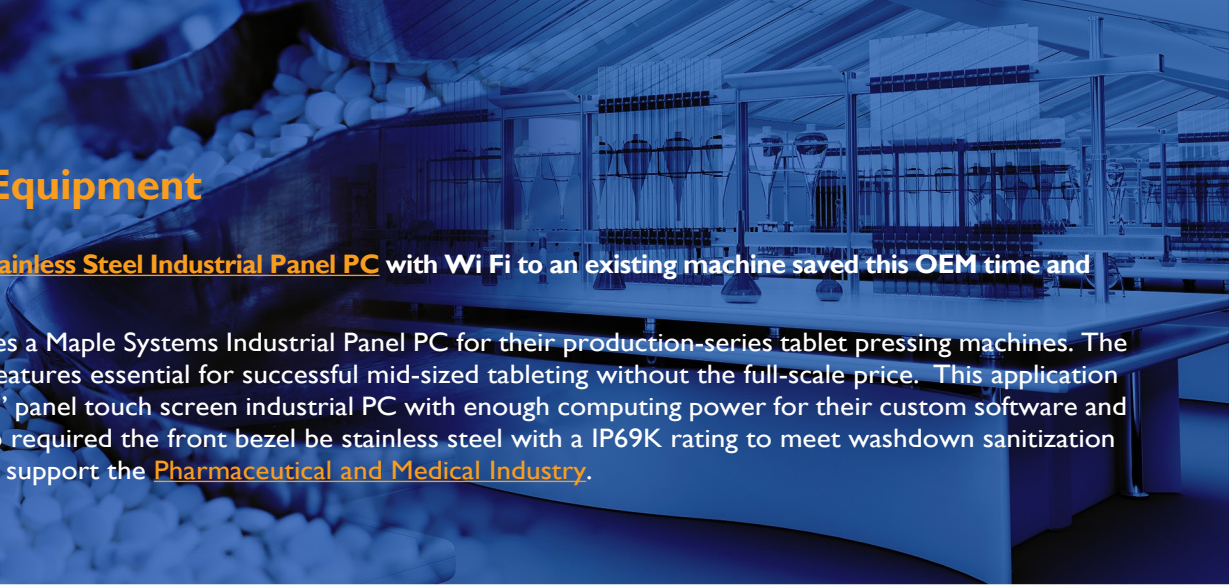
Our products can help you standardize communications between devices, gluing different systems together for one source to your SCADA. No need to redesign your entire application. Keep the components that are already working for you, just add Maple Systems components to grow your abilities to supervise,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

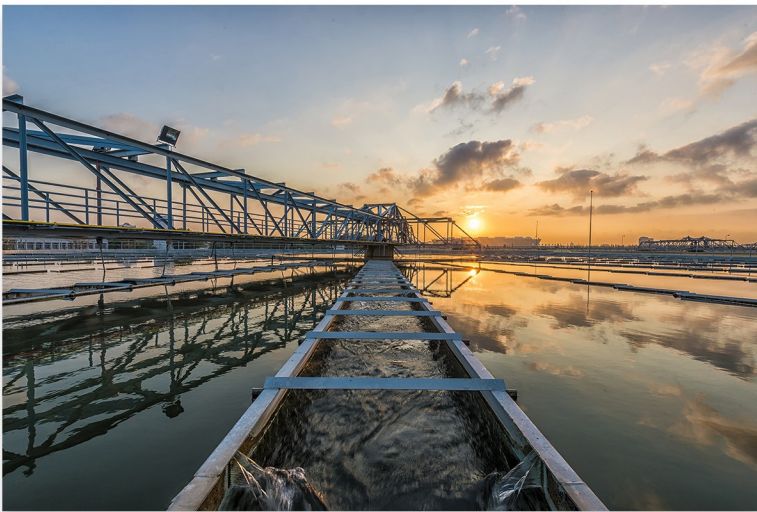


[Case Study](#)

## 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.

