

10.1” ~ 23.8” Fanless Industrial Panel PC with Intel Core i5-1235U Alder Lake Processor

- UL Listed
- Microsoft Windows® 10, 11, Linux® OS Options
- Projected Capacitive Touch
- Rugged IP66 Rated Aluminum Enclosure
- Wi-Fi Kit Upgrade Available
- Wake on LAN Supported (WOL)

System	**CPU**	Intel® 12th Gen Core™ i5-1235U Alder Lake Processor up to 4.4GHz		
	System Chipset	SoC		
	System Memory Options	2x DDR4 260-pin SO-DIMM RAM (8, 16, 32, 64 GB)		
	TPM Chip	Yes (TPM 2.0)		
I/O Ports	**USB**	2 x USB 2.0 type A 2 x USB 3.2 type A		
	Serial	2 x DE9P RS-232/422/485 (default RS-232) (COM1, COM2) 1 x DE9P RS-232 (COM3)		
	Audio	N/A		
	LAN	2 x GbE RJ-45		
	Wireless LAN	2 x Wireless LAN Antenna ports (covered unless optional Wi-Fi Expansion kit purchased)		
	Power	3-pin Terminal Block type, DC power input		
	Remote Power Switch	N/A		
	External Display	1 x HDMI 2.1, resolution up to 4096 x 2304@60Hz		
Expansion	**Expansion Slot**	Optional Wi-Fi kit (IEEE802.11ax card and 2 x antenna, Bluetooth 5.2 Support)		
Touch Screen	**Type**	Projected Capacitive Touch (Multi-Touch Supported)		
	Interface	USB		
	Light Transmission	90%		
Display	**Display Type**	**10.1” WXGA TFT LCD**	**12.1” SVGA TFT LCD**	**15” XGA TFT LCD**
	Max. Resolution	1280 x 800	1024 x 768	1024 x 768
	Max. Color	16.7M	16.2 M	16.7 M
	Luminance (cd/m²)	350	500	350
	View Angle (H°/V°)	170/170	178/178	178/178
	Contrast Ratio	800:1	1000:1	1000:1
	Backlight Lifetime (hours)	30,000+	30,000+	50,000+
Storage	**Solid State Drive Type**	1 x M.2 2280 NVME 3D TLC		
	Solid State Drive Capacity Options	128, 256, 512 GB, 1 TB, 2 TB SSD		
	SD Card Slot	N/A		
Electrical	**Input Voltage**	9-36 VDC	9-36 VDC	9-36 VDC
	Input Current	2.08-8.33 A	1.94-7.78 A	2.22-8.89 A
	Input Power (max.)	75 W	70 W	80 W
Mechanical	**Dimensions (W x H x D)**	11.22 x 7.44 x 2.95” [285 x 189 x 75 mm]	12.56 x 9.65 x 3.03” [319 x 245 x 77 mm]	16.14 x 12.20 x 3.10” [410 x 310 x 78.7 mm]
	Net Weight	~ 5.73 lbs [2.6 kg]	~ 7.72 lbs [3.5 kg]	~ 11.02 lbs [5.0 kg]
	Panel Cutout Dimensions (W x H)	10.71 x 6.93” [272 x 176 mm]	11.93 x 9.02” [303 x 229 mm]	15.43 x 11.50” [392 x 292 mm]
	Mounting	Panel mounting, VESA 100 x 100		
	Construction	Die-cast Aluminum		
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		
	Altitude (Air Pressure)	Up to 2,000 Meters (~80 kPa)		
	Shock Resistance	Tested to IEC 60068-2-27 (2008): 15G acceleration peak to peak, XYZ axis, 11ms pulse duration		
	Vibration Resistance	Tested to IEC 60068-2-64 (2019): 5~500Hz, 1.0 G_{rms}, XYZ axis, 30 mins duration		
	Rating	IP66 / NEMA 4 when panel mounted		
	Certification	cULus / CE / FCC Class A / RoHS		
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 Linux® Ubuntu Server		
Notes	Specifications subject to change without notice.			



10.1” ~ 23.8” Fanless Industrial Panel PC with Intel Core i5-1235U Alder Lake Processor

- UL Listed
- Microsoft Windows® 10, 11, Linux® OS Options
- Projected Capacitive Touch
- Rugged IP66 Rated Aluminum Enclosure
- Wi-Fi Kit Upgrade Available
- Wake on LAN Supported (WOL)

System	**CPU**	Intel® 12th Gen Core™ i5-1235U Alder Lake Processor		
	System Chipset	SoC		
	System Memory Options	2x DDR4 260-pin SO-DIMM RAM (8, 16, 32, 64GB)		
	TPM Chip	Yes (TPM 2.0)		
I/O Ports	**USB**	2 x USB 2.0 type A 2 x USB 3.2 type A		
	Serial	2 x DE9P RS-232/422/485 (default RS-232) (COM1, COM2) 1 x DE9P RS-232 (COM3)		
	Audio	N/A		
	LAN	2 x GbE RJ-45		
	Wireless LAN	2 x Wireless LAN Antenna ports (covered unless optional Wi-Fi Expansion kit purchased)		
	Power	3-pin Terminal Block type, DC power input		
	Remote Power Switch	N/A		
	External Display	1 x HDMI 2.1, resolution up to 4096 x 2304@60Hz		
Expansion	**Expansion Slot**	Optional Wi-Fi kit (IEEE802.11ax card and 2 x antenna, Bluetooth 5.2 Support)		
Touch Screen	**Type**	Projected Capacitive Touch (Multi-Touch Supported)		
	Interface	USB		
	Light Transmission	90%		
Display	**Display Type**	**15.6” FHD TFT LCD**	**17” SXGA TFT LCD**	**18.5” FHD TFT LCD**
	Max. Resolution	1920 x 1080	1280 x 1024	1920 x 1080
	Max. Color	16.7 M	16.7 M	16.7 M
	Luminance (cd/m²)	500	350	350
	View Angle (H°/V°)	178/178	160/140	178/178
	Contrast Ratio	1000:1	1000:1	1000:1
	Backlight Lifetime (hours)	50,000+	50,000+	50,000+
Storage	**Solid State Drive Type**	1 x M.2 2280 NVME 3D TLC		
	Solid State Drive Capacity Options	128, 256, 512 GB, 1 TB, 2 TB SSD		
	SD Card Slot	N/A		
Electrical	**Input Voltage**	9-36 VDC	9-36 VDC	9-36 VDC
	Input Current	2.44-9.78 A	1.64-6.56 A	2.00-8.00 A
	Input Power (max.)	88 W	59 W	72 W
Mechanical	**Dimensions (W x H x D)**	16.22 x 10.93 x 3.07” [412 x 277.5 x 78 mm]	17.28 x 13.70 x 3.23” [439 x 348 x 82 mm]	19.67 x 12.39 x 3.23” [499.6 x 314.6 x 82 mm]
	Net Weight	~ 9.92 lbs [4.5 kg]	~ 13.67 lbs [6.2 kg]	~ 14.78 lbs [6.7 kg]
	Panel Cutout Dimensions (W x H)	15.51 x 10.24” [394 x 259.5 mm]	16.61 x 13.03” [422 x 331 mm]	18.98 x 11.69” [482 x 297 mm]
	Mounting	Panel mounting, VESA 100 x 100		
	Construction	Die-cast Aluminum		
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		
	Altitude (Air Pressure)	Up to 2,000 Meters (~80 kPa)		
	Shock Resistance	Tested to IEC 60068-2-27 (2008): 15G acceleration peak to peak, XYZ axis, 11ms pulse duration		
	Vibration Resistance	Tested to IEC 60068-2-64 (2019): 5~500Hz, 1.0 G_{rms}, XYZ axis, 30 mins duration		
	Rating	IP66 / NEMA 4 when panel mounted		
	Certification	cULus / CE / FCC Class A / RoHS		
Operating System Options	**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 Linux® Ubuntu Server		
Notes	Specifications subject to change without notice.			

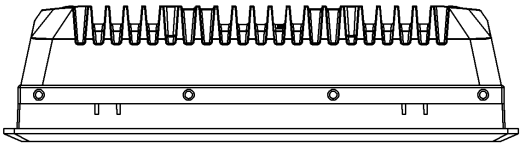


10.1” ~ 23.8” Fanless Industrial Panel PC with Intel Core i5-1235U Alder Lake Processor

- UL Listed
- Microsoft Windows® 10, 11, Linux® OS Options
- Projected Capacitive Touch
- Rugged IP66 Rated Aluminum Enclosure
- Wi-Fi Kit Upgrade Available
- Wake on Lan Supported (WOL)

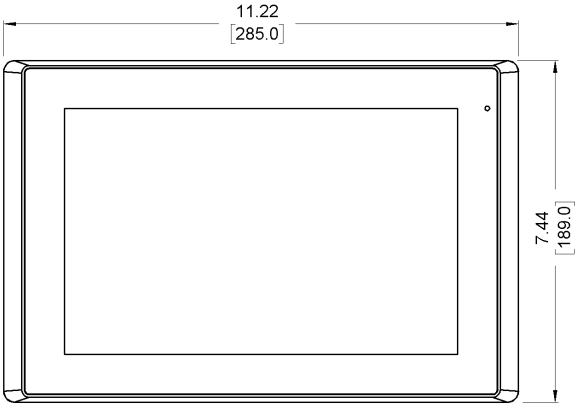
System	**CPU**	Intel® 12th Gen Core™ i5-1235U Alder Lake Processor		
	System Chipset	SoC		
	System Memory Options	2x DDR4 260-pin SO-DIMM RAM (8, 16, 32, 64 GB)		
	TPM Chip	Yes (TPM 2.0)		
I/O Ports	**USB**	2 x USB 2.0 type A 2 x USB 3.2 type A		
	Serial	2 x DE9P RS-232/422/485 (default RS-232) (COM1, COM2) 1 x DE9P RS-232 (COM3)		
	Audio	N/A		
	LAN	2 x GbE RJ-45		
	Wireless LAN	2 x Wireless LAN Antenna ports (covered unless optional Wi-Fi Expansion kit purchased)		
	Power	3-pin Terminal Block type, DC power input		
	Remote Power Switch	N/A		
	External Display	1 x HDMI 2.1, resolution up to 4096 x 2304@60Hz		
Expansion	**Expansion Slot**	Optional Wi-Fi kit (IEEE802.11ax card and 2 x antenna, Bluetooth 5.2 Support)		
Touch Screen	**Type**	Projected Capacitive Touch (Multi-Touch Supported)		
	Interface	USB		
	Light Transmission	90%		
Display	**Display Type**	**19” SXGA TFT LCD**	**21.5” FHD TFT LCD**	**23.8” FHD TFT LCD**
	Max. Resolution	1280 x 1024	1920 x 1080	1920 x 1080
	Max. Color	16.7 M	16.7 M	16.7 M
	Luminance (cd/m²)	350	350	250
	View Angle (H°/V°)	170/160	178/178	178/178
	Contrast Ratio	1000:1	1000:1	3000:1
	Backlight Lifetime (hours)	50,000+	50,000+	30,000+
Storage	**Solid State Drive Type**	1 x M.2 2280 NVME 3D TLC		
	Solid State Drive Capacity Options	128, 256, 512 GB, 1 TB, 2 TB SSD		
	SD Card Slot	N/A		
Electrical	**Input Voltage**	9-36 VDC	9-36 VDC	9-36 VDC
	Input Current	1.94-7.78 A	2.06-8.22 A	2.44-9.78 A
	Input Power (max.)	70 W	74 W	88 W
Mechanical	**Dimensions (W x H x D)**	18.43 x 14.96 x 3.23” [468 x 380 x 82 mm]	21.94 x 14.26 x 3.23” [557.3 x 362.3 x 82 mm]	25.20 x 15.55 x 3.46” [640 x 395 x 88 mm]
	Net Weight	~ 15.43 lbs. [7.0 kg]	~ 16.31 lbs. [7.4 kg]	~ 20.72 lbs. [9.4 kg]
	Panel Cutout Dimensions (W x H)	17.72 x 14.25” [450 x 362 mm]	21.22 x 13.54” [539 x 344 mm]	23.62 x 14.25” [600 x 362 mm]
	Mounting	Panel mounting, VESA 100 x 100		
	Construction	Die-cast Aluminum		
Environmental	**Operating Temperature**	-4~140°F [-20~60°C]	32~122°F [-0~50°C]	
	Storage Temperature	-22~158°F [-30~70°C]		
	Relative Humidity	10 to 95% @ 40°C, non-condensing		
	Altitude (Air Pressure)	Up to 2,000 Meters (~80 kPa)		
	Shock Resistance	Tested to IEC 60068-2-27 (2008): 15G acceleration peak to peak, XYZ axis, 11ms pulse duration		
	Vibration Resistance	Tested to IEC 60068-2-64 (2019): 5~500Hz, 1.0 G_{rms}, XYZ axis, 30 mins duration		
	Rating	IP66 / NEMA 4 when panel mounted		
	Certification	cULus / CE / FCC Class A / RoHS		
Operating System Options	**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 Linux® Ubuntu Server		
Notes	Specifications subject to change without notice.			

OMI6910

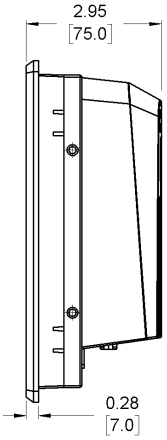


Top View

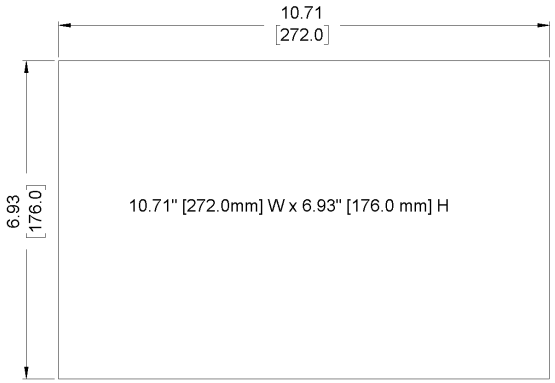
DIMENSIONS ARE IN INCHES [MM]



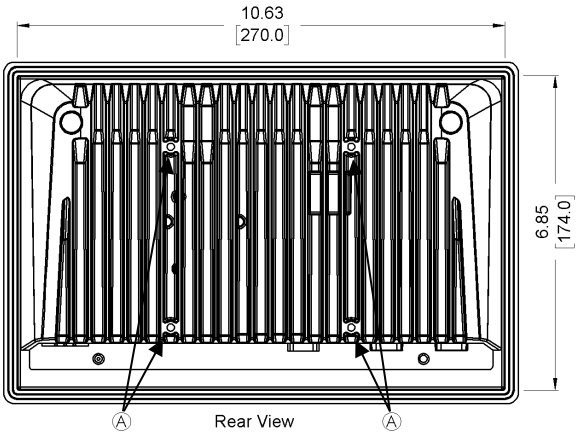
Front View



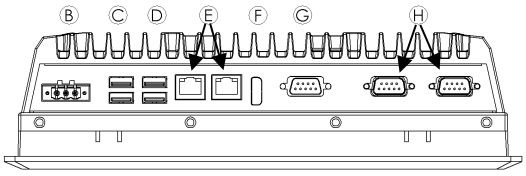
Side View



Cutout Dimensions



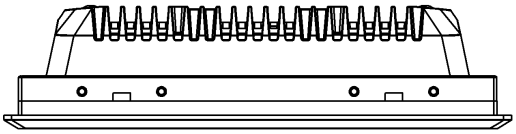
Rear View



Bottom View

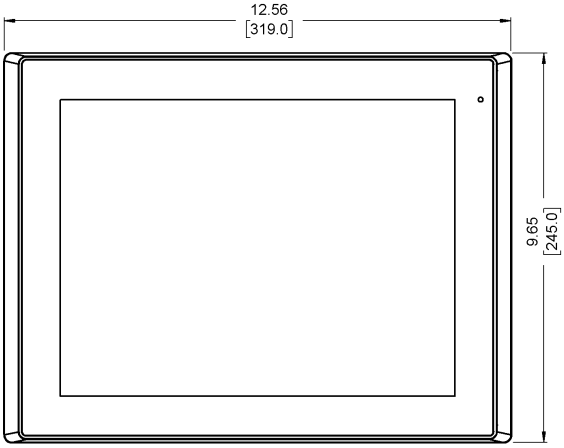
A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	HDMI Output
G	DE9P COM Port (RS232)
H	DE9P COM Ports (Configurable)

OMI6912

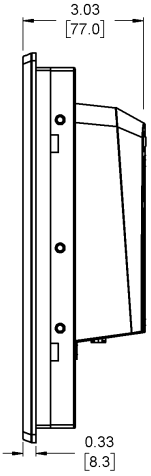


Top View

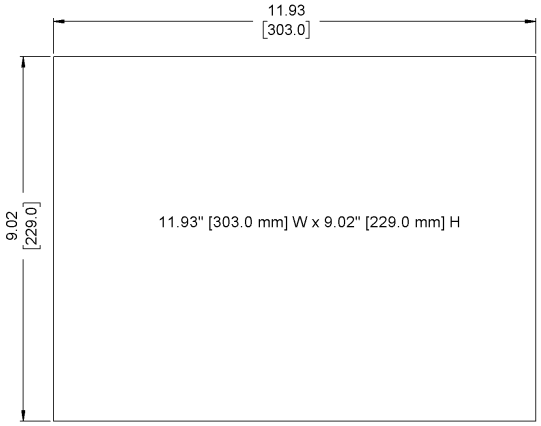
DIMENSIONS ARE IN INCHES [MM]



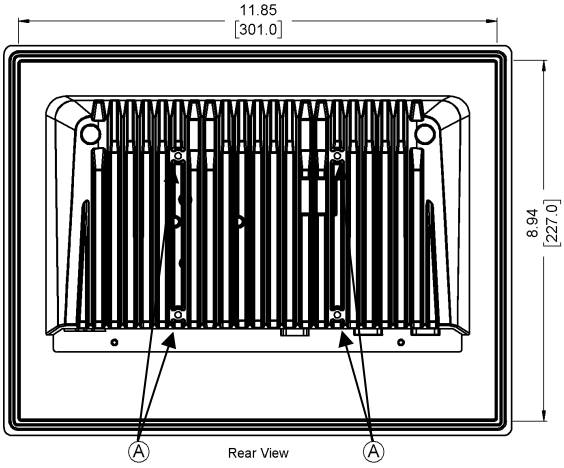
Front View



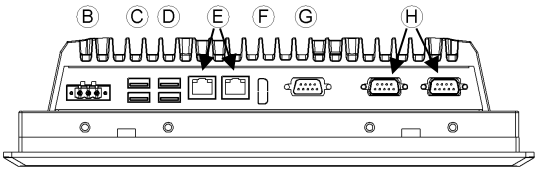
Side View



Cutout Dimensions



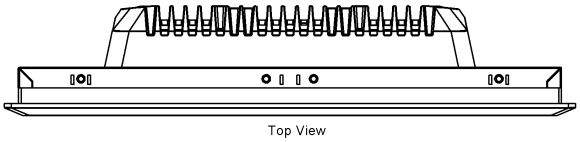
Rear View



Bottom View

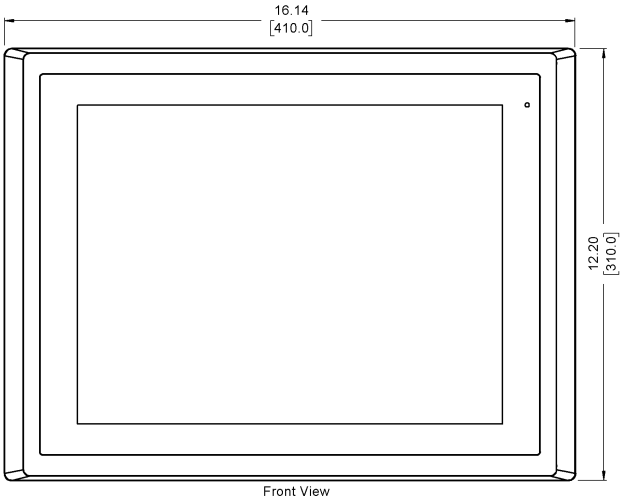
A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	HDMI Output
G	DE9P COM Port (RS232)
H	DE9P COM Ports (Configurable)

OMI6915

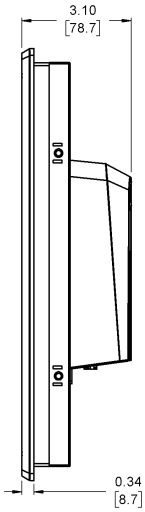


Top View

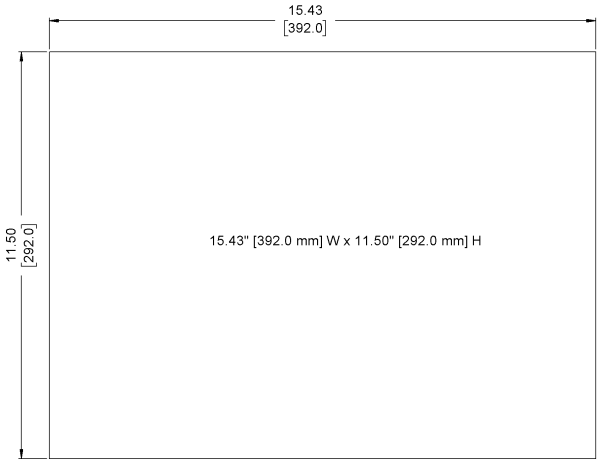
DIMENSIONS ARE IN INCHES [MM]



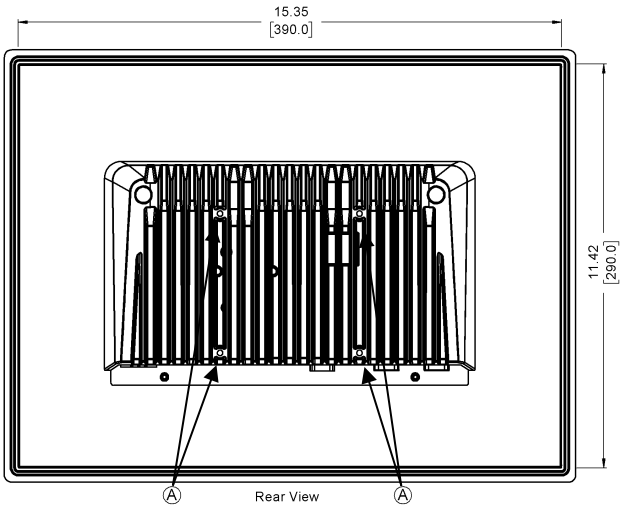
Front View



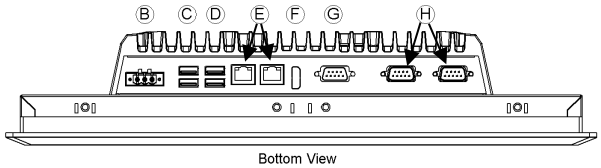
Side View



Cutout Dimensions



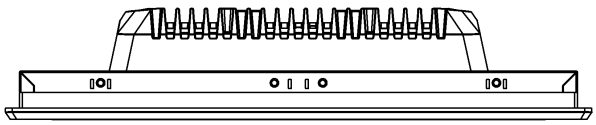
Rear View



Bottom View

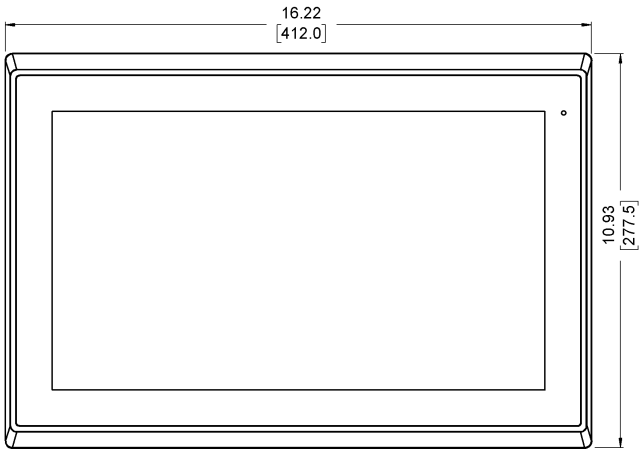
A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	HDMI Output
G	DE9P COM Port (RS232)
H	DE9P COM Ports (Configurable)

OMI6916

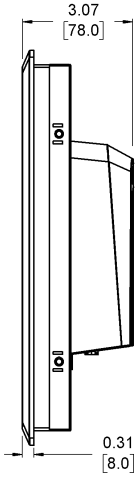


Top View

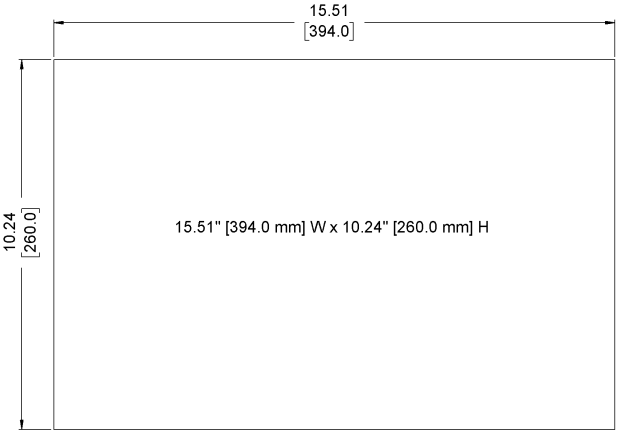
DIMENSIONS ARE IN INCHES [MM]



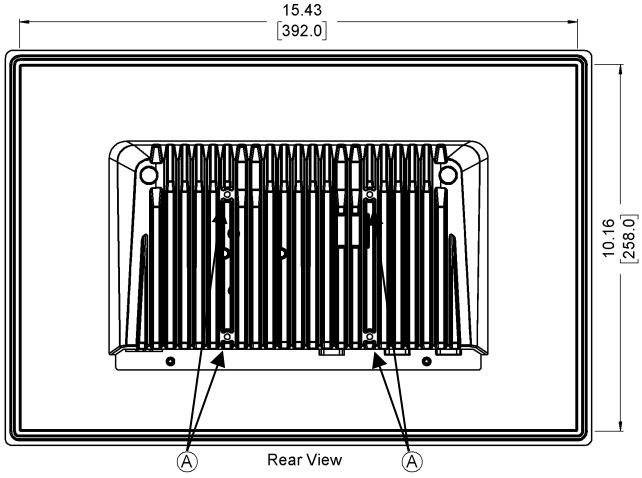
Front View



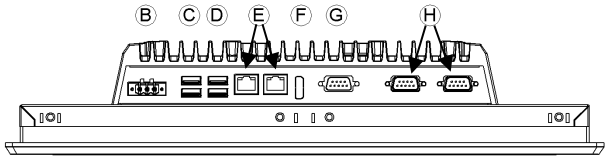
Side View



Cutout Dimensions



Rear View

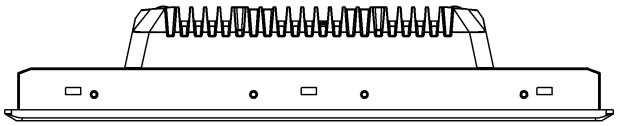


Bottom View

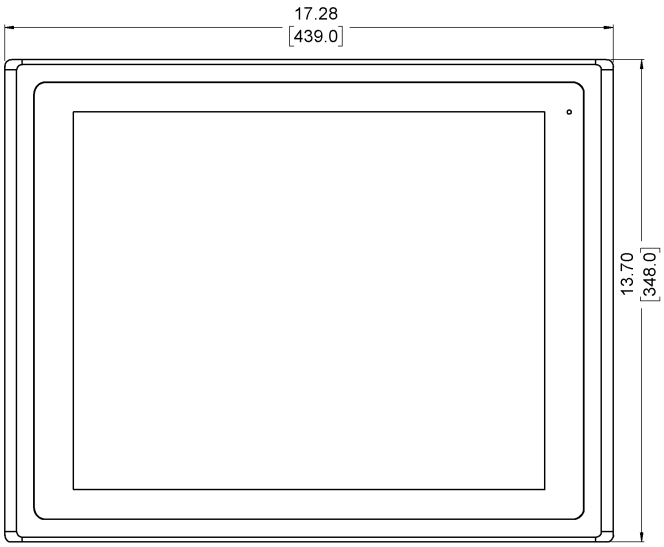
A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	HDMI Output
G	DE9P COM Port (RS232)
H	DE9P COM Ports (Configurable)

OMI6917

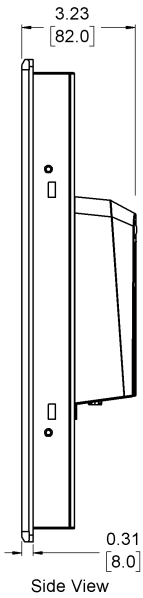
DIMENSIONS ARE IN INCHES [MM]



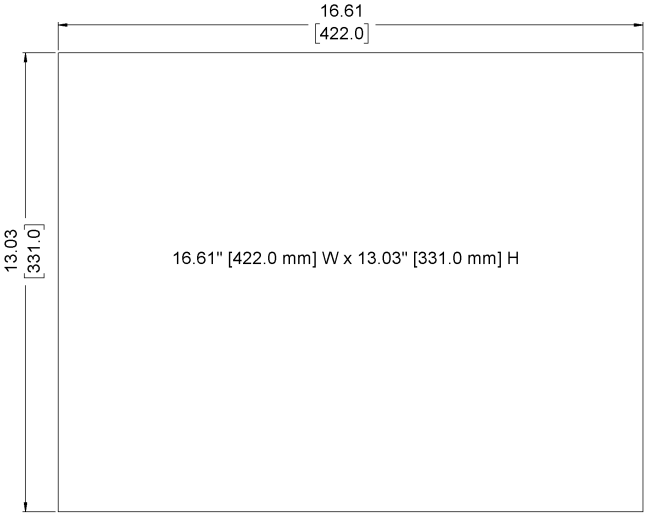
Top View



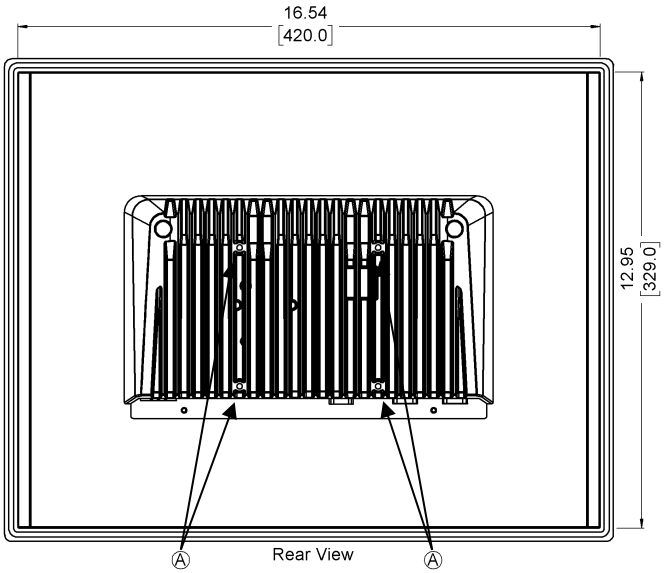
Front View



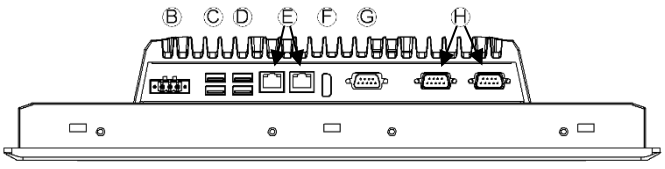
Side View



Cutout Dimensions



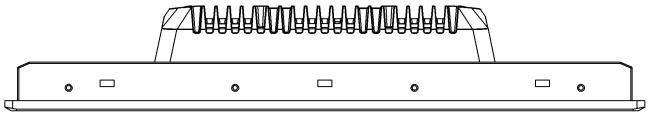
Rear View



Bottom View

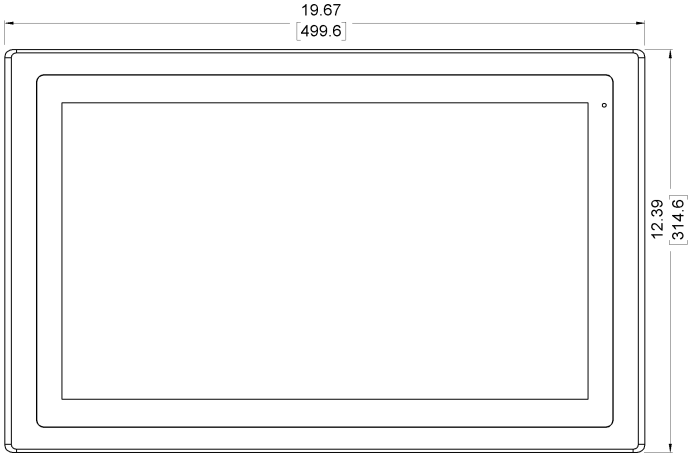
A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	DE9P COM Port (RS232)
G	DE9P COM Ports (Configurable)

OMI6918

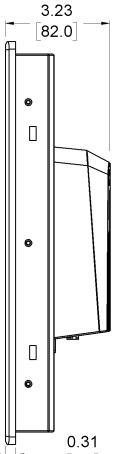


Top View

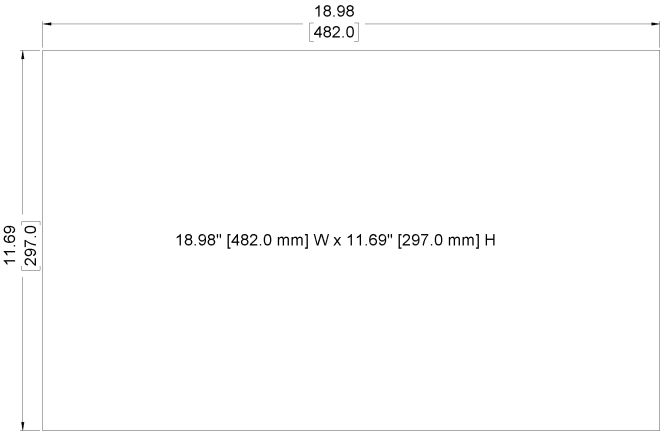
DIMENSIONS ARE IN INCHES [MM]



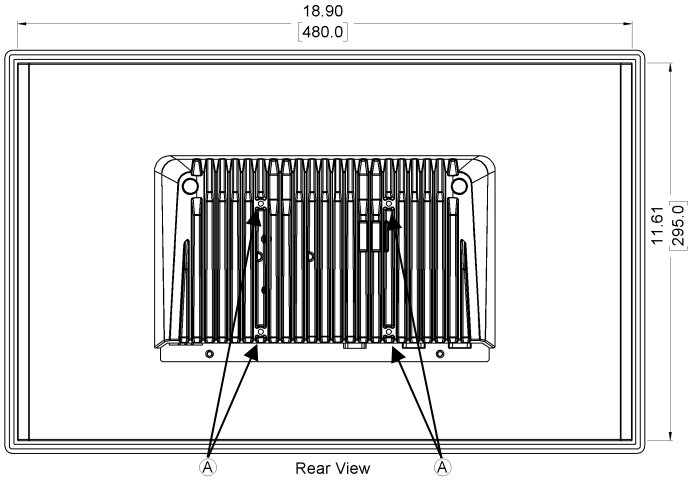
Front View



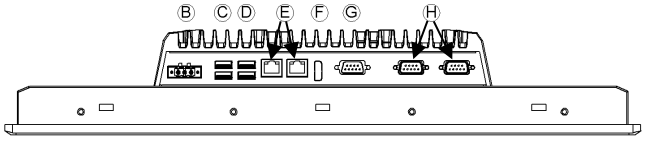
Side View



Cutout Dimensions



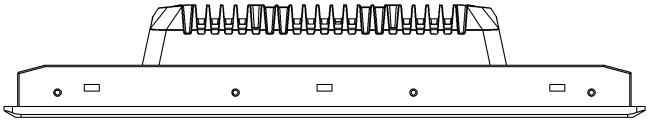
Rear View



Bottom View

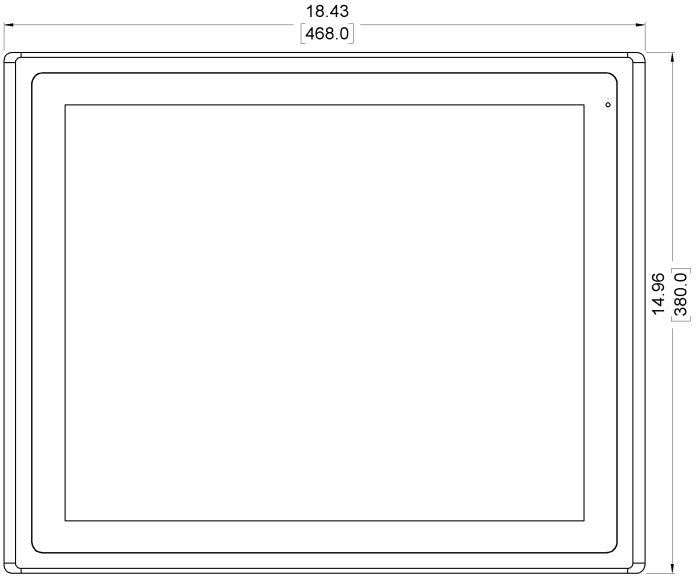
A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	HDMI Output
G	DE9P COM Port (RS232)
H	DE9P COM Ports (Configurable)

OMI6919

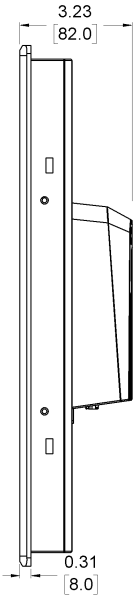


Top View

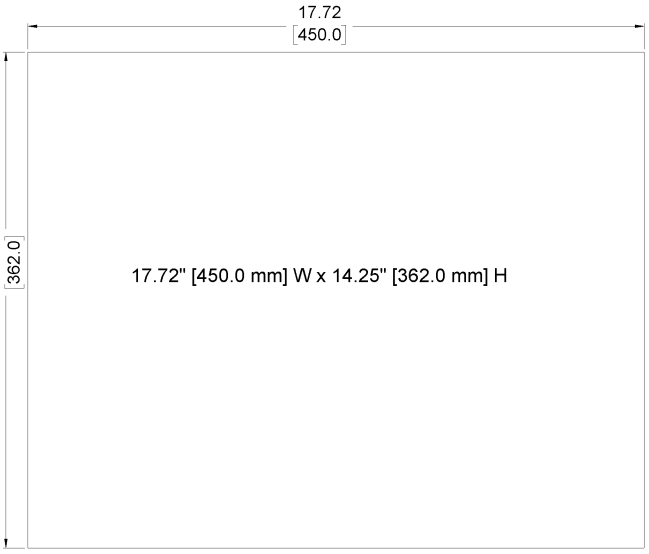
DIMENSIONS ARE IN INCHES [MM]



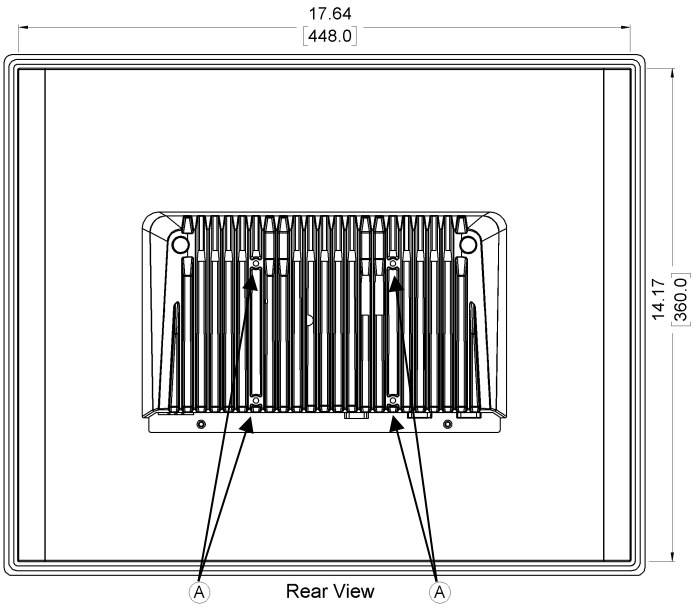
Front View



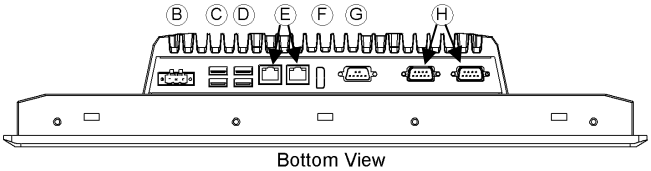
Side View



Cutout Dimensions



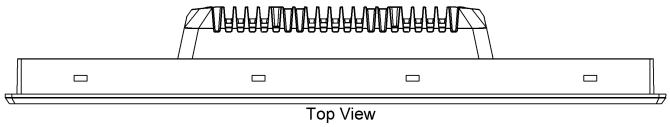
Rear View



Bottom View

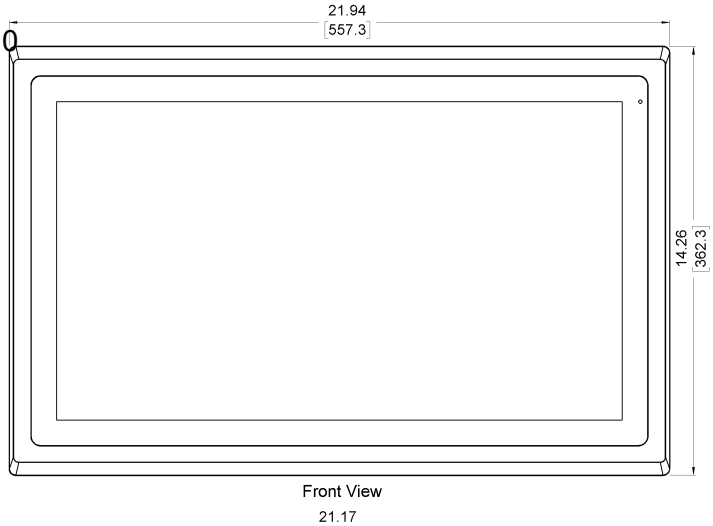
A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	HDMI Output
G	DE9P COM Port (RS232)
H	DE9P COM Ports (Configurable)

OMI6921

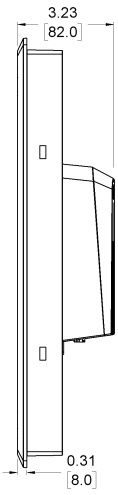


Top View

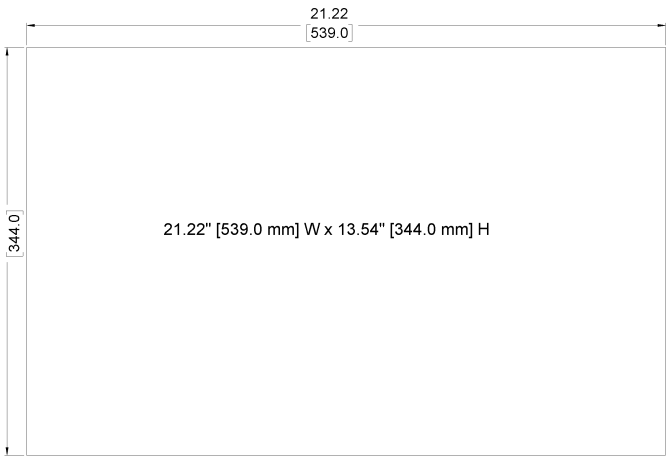
DIMENSIONS ARE IN INCHES [MM]



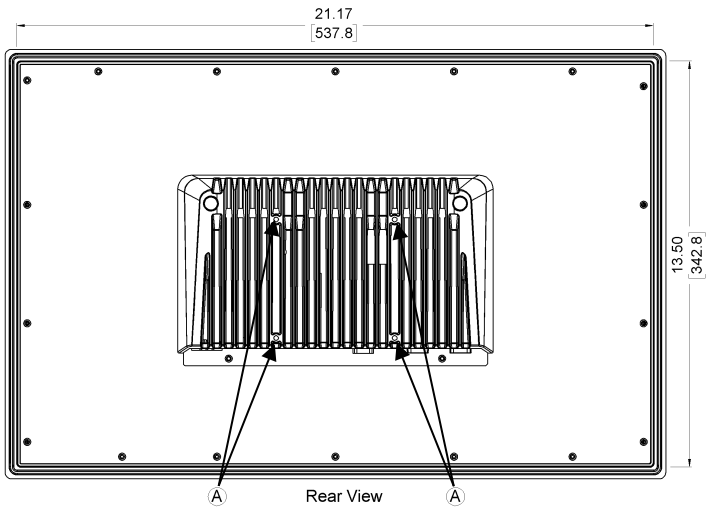
Front View



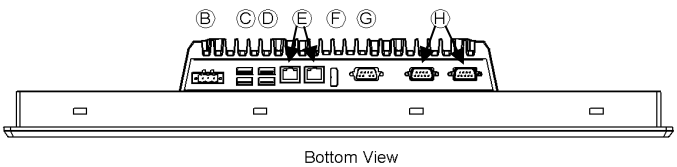
Side View



Cutout Dimensions



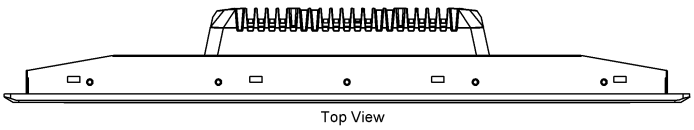
Rear View



Bottom View

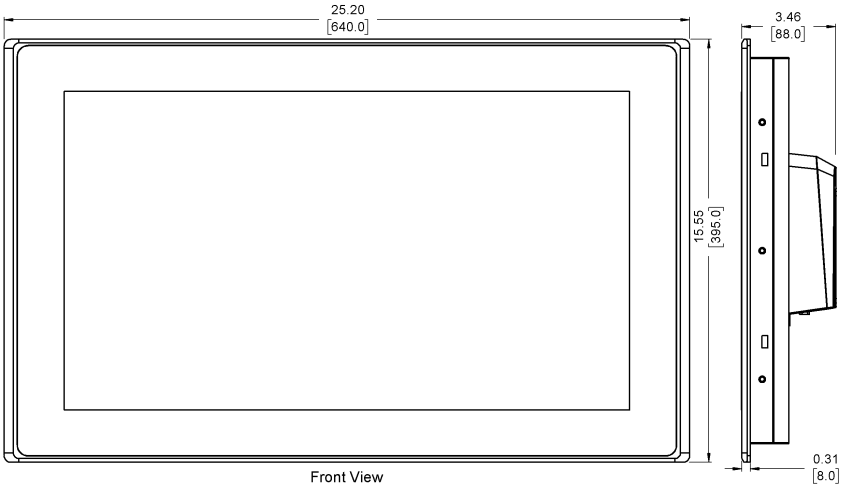
A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	HDMI Output
G	DE9P COM Port (RS232)
H	DE9P COM Ports (Configurable)

OMI6924



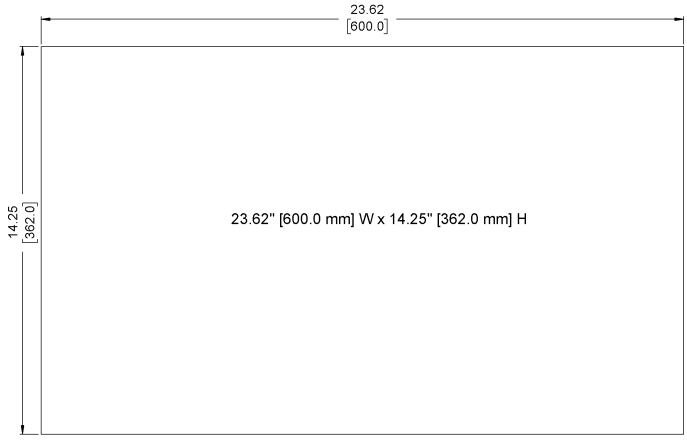
Top View

DIMENSIONS ARE IN INCHES [MM]

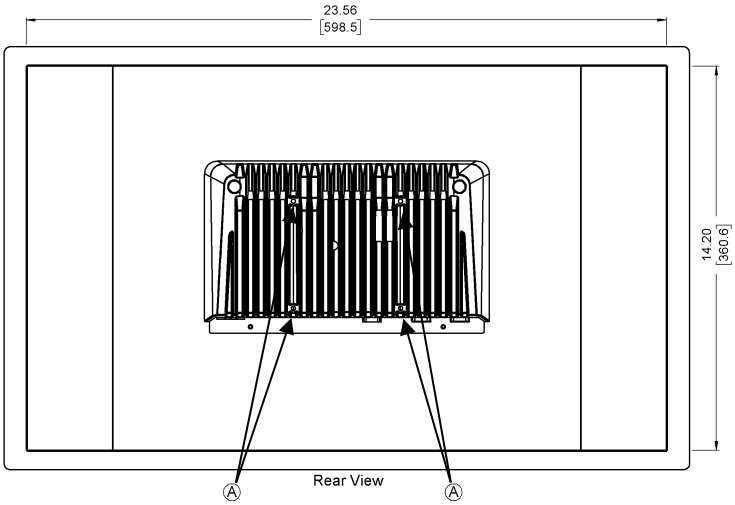


Front View

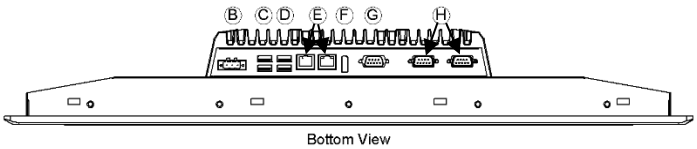
Side View



Cutout Dimensions



Rear View



Bottom View

A	VESA 100 x 100 mm Screw Holes
B	Power Connector
C	USB 2.0 Host Ports
D	USB 3.2 Host Ports
E	Gigabit Ethernet Ports
F	HDMI Output
G	DE9P COM Port (RS232)
H	DE9P COM Ports (Configurable)

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.

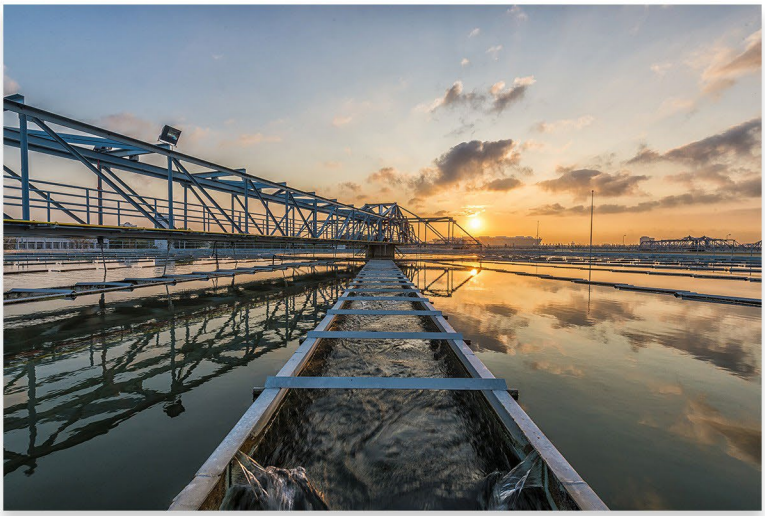
Our products can help you standardize communications between devices, gluing different systems together for one source to your SCADA. No need to redesign your entire application. Keep the components that are already working for you, just add Maple Systems components to grow your abilities to supervise,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

