OMI Operations Manual

OMI6900 Light Industrial Panel PC Series

Your Industrial Control Solutions Source

www.maplesystems.com

For use with the following:

- OMI6912A
- OMI6915A
- OMI6916A
- OMI6918A
- OMI6921A

Maple Systems, Inc. | 808 134th St. SW, Suite 120, Everett, WA 98204 | 425.745.3229

TABLE OF CONTENTS

COPYRIGHT NOTICE

WARRANTY

Warranty Statements are included with each unit at the time of purchase and are available at: www.maplesystems.com

TECHNICAL SUPPORT

This manual is designed to provide the necessary information for trouble-free installation and operation of your new OMI. However, if you need assistance, please contact Maple Systems at:

- Phone: 425-745-3229
- Email: support@maplesystems.com
- Web: http://www.maplesystems.com

UNPACKING THE UNIT

Carefully unpack the OMI6900. Check all material in the container against the packing list. Maple Systems will not accept responsibility for shortages against the packing list unless notified within 30 days. The equipment and accessories were inspected and tested by Maple Systems before shipment.

Examine the equipment carefully; if any shipping damage is evident, notify the carrier immediately. Maple Systems is not responsible for claim negotiations with the carrier.

Save the shipping container and packing material in case the equipment needs to be stored, returned to Maple Systems, or transported for any reason.

Packing List
OMI6900 Series Light Industrial Panel PC
DC Power Connector (3 pin terminal block)
Remote Power Switch Connector (2 pin terminal block)
DC Power adapter with cord
Mounting Clamp Kit
Support DVD
Windows Recovery DVD (for non-embedded operating systems only)

SAFETY PRECAUTIONS

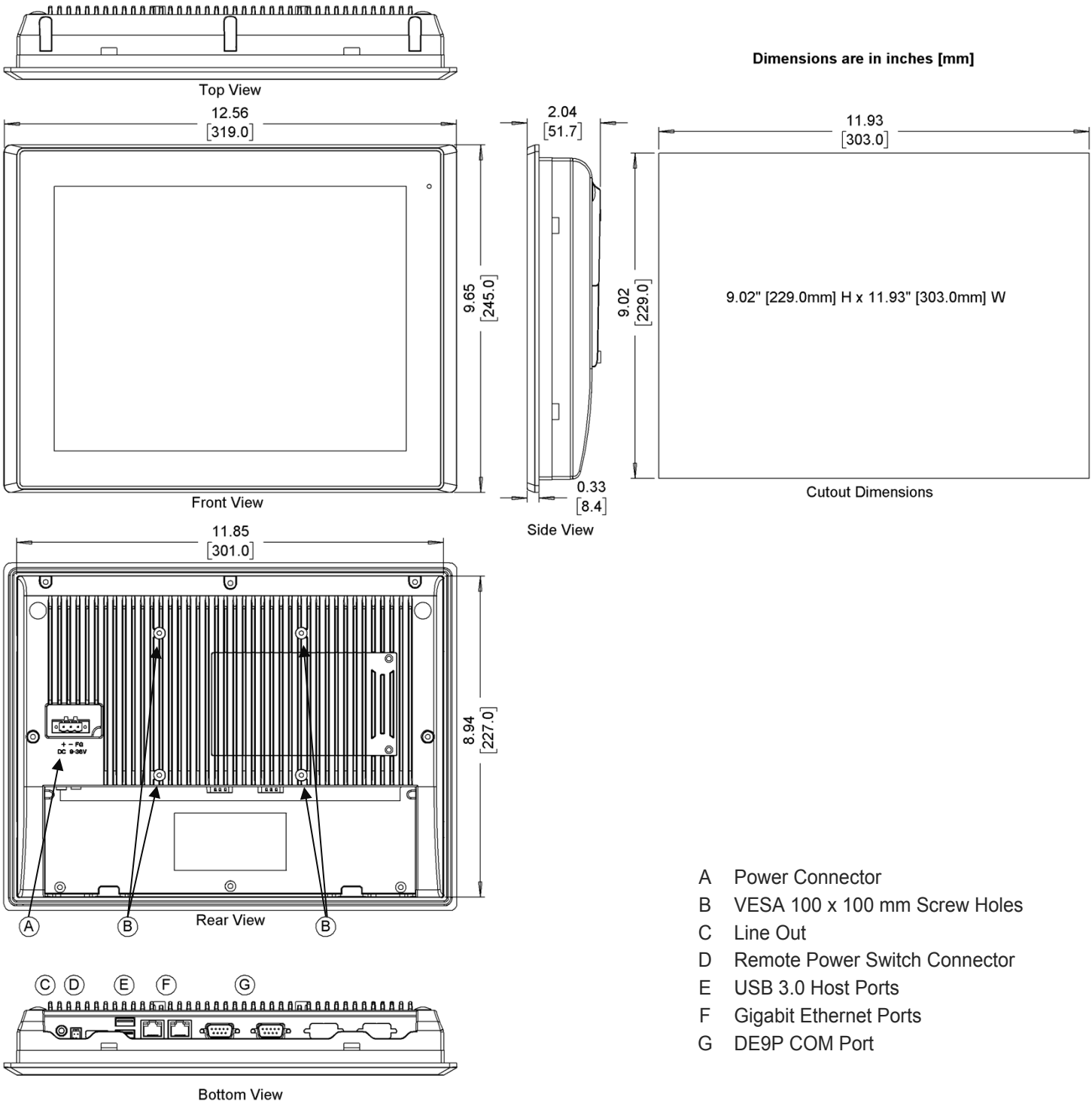
Please observe the following precautions when installing the OMI6900 Series Open HMIs. Failure to comply with these restrictions could result in loss of life, serious personal injury, or equipment damage.

	**Warning:** Disconnect this equipment from any power before cleaning. Do not use liquid or spray detergents for cleaning. Use a damp cloth.
	**Warning:** Keep this equipment away from humidity.
	**Warning:** Before applying power the unit and make sure the voltage of the power source is within the input voltage rating of the unit.
	**Warning:** Position the power cord so that people cannot step on it. Do not place anything over the power cord.
	**Warning:** Never open the equipment and do not operate equipment with its back cover removed- there are dangerous high voltages present inside. For safety reasons, the equipment should be opened only by a qualified service technician.
	**Warning:** This equipment generates uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, it may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.
	**Warning:** If any of the following situations arise, get the equipment checked by qualified service personnel. • The power cord or plug is damaged. • Liquid has penetrated into the equipment. • The equipment has been exposed to moisture. • The equipment does not work well, or you cannot get it to work according to this operations manual. • The equipment has been dropped and damaged. • The equipment has obvious signs of breakage.
	**Warning:** Do not leave this equipment in an uncontrolled environment where the storage temperature is below -20°C (-4°F) or above 60°C (140°F). It may damage the equipment.

DIMENSIONS AND SPECIFICATIONS

The following section contains the Dimensions and Specifications for the OMI6900 series Light Industrial Panel PCs.

OMI6912A Dimensions

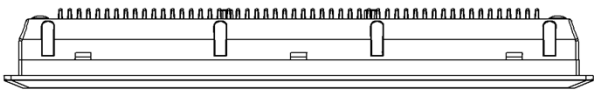


A Power Connector
B VESA 100 x 100 mm Screw Holes
C Line Out
D Remote Power Switch Connector
E USB 3.0 Host Ports
F Gigabit Ethernet Ports
G DE9P COM Port

OMI6912A Specifications

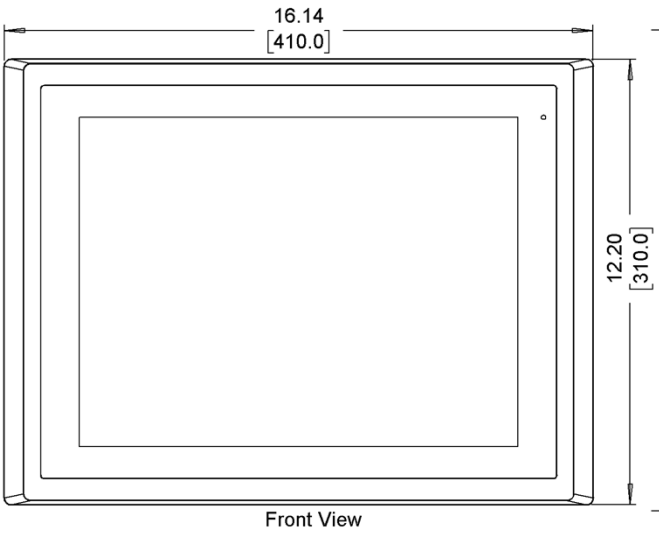
System	**CPU**	**Intel 4th Gen Core i5-4300U CPU processor**
	System Chipset	SoC
	System Memory	Onboard DDR3L 8 GB 1600 MHz
I/O Ports	**USB**	2 x USB 3.0 type A
	Serial	COM1: RS-232/422/485 DE-9P (default RS-232)
		COM2: RS-232 DE-9P
	Audio	1 x 3.5 mm line out
	LAN	2 x GbE RJ-45
	Power	3-pin connector header, DC power input
	Remote Power Switch	2-pin connector header
Storage	**Solid State Drive Options ***	1 x 2.5” SATA 3, MLC (64, 128, 256, 512 GB SSD)
	SD Card Slot	N/A
Expansion	**Expansion Slot**	Optional Wi-Fi kit (Wi-Fi card and antenna)
Display	**Display Type**	12.1” TFT-LCD
	Max. Resolution	800 x 600
	Max. Color	16.2 M
	Luminance (cd/m²)	450
	View Angle (H°/V°)	160/140
	Contrast Ratio	800:1
	Backlight Lifetime (hours)	50,000+
Touch Screen	**Type**	5-wire resistive touch
	Interface	USB
	Light Transmission	80%
Electrical	**Input Voltage**	9~36 VDC
	Input Current	0.5 ~ 2.2 A
	Input Power	19.6 W
Mechanical	**Construction**	Silver aluminum front bezel and chassis
	Rating	IP66 / NEMA 4 when panel mounted
	Mounting	Panel mounting, VESA 100 x 100
	Dimension (W x H x D)	12.56 x 9.65 x 2.04 inches [319 x 245 x 52 mm]
	Net Weight	5.95 lbs [2.7 kg]
Environmental	**Operating Temperature**	32~122°F [0~50°C]
	Storage Temperature	-4~140°F [-20~60°C]
	Storage Humidity	10 to 90% @ 40°C, non-condensing
	Certification	CE / FCC Class A / cULus / RoHS
Operating System	**Microsoft Windows Options ****	Microsoft Windows© 7 Pro for Embedded 64-bit (FES 7 Pro) Microsoft Windows© 10 IoT Enterprise Embedded 2019 LTSC 64-bit (EPKEA) Microsoft Windows© 10 IoT Enterprise 2019 LTSC 64-bit (PKEA)
Notes	* Additional SSD options available; contact Maple Systems for details. ** For Microsoft Windows 10 IoT 2016 LTSB Operating System, contact Maple Systems Sales. Specifications subject to change without notice	

OMI6915A Dimensions

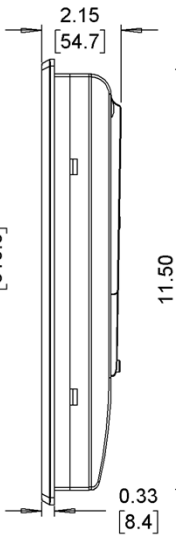


Top View

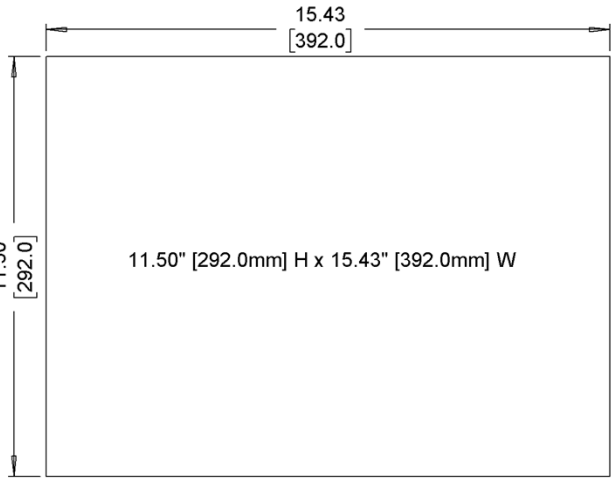
Dimensions are in inches [mm]



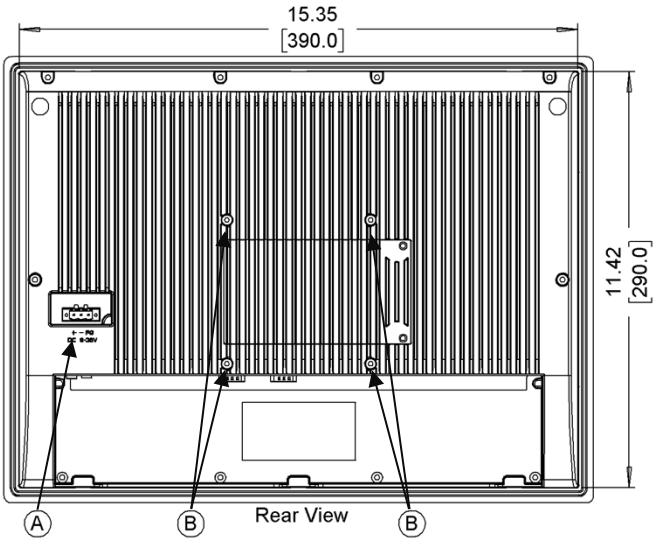
Front View



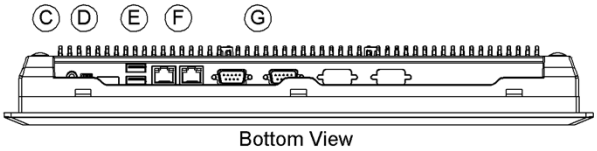
Side View



Cutout Dimensions



Rear View



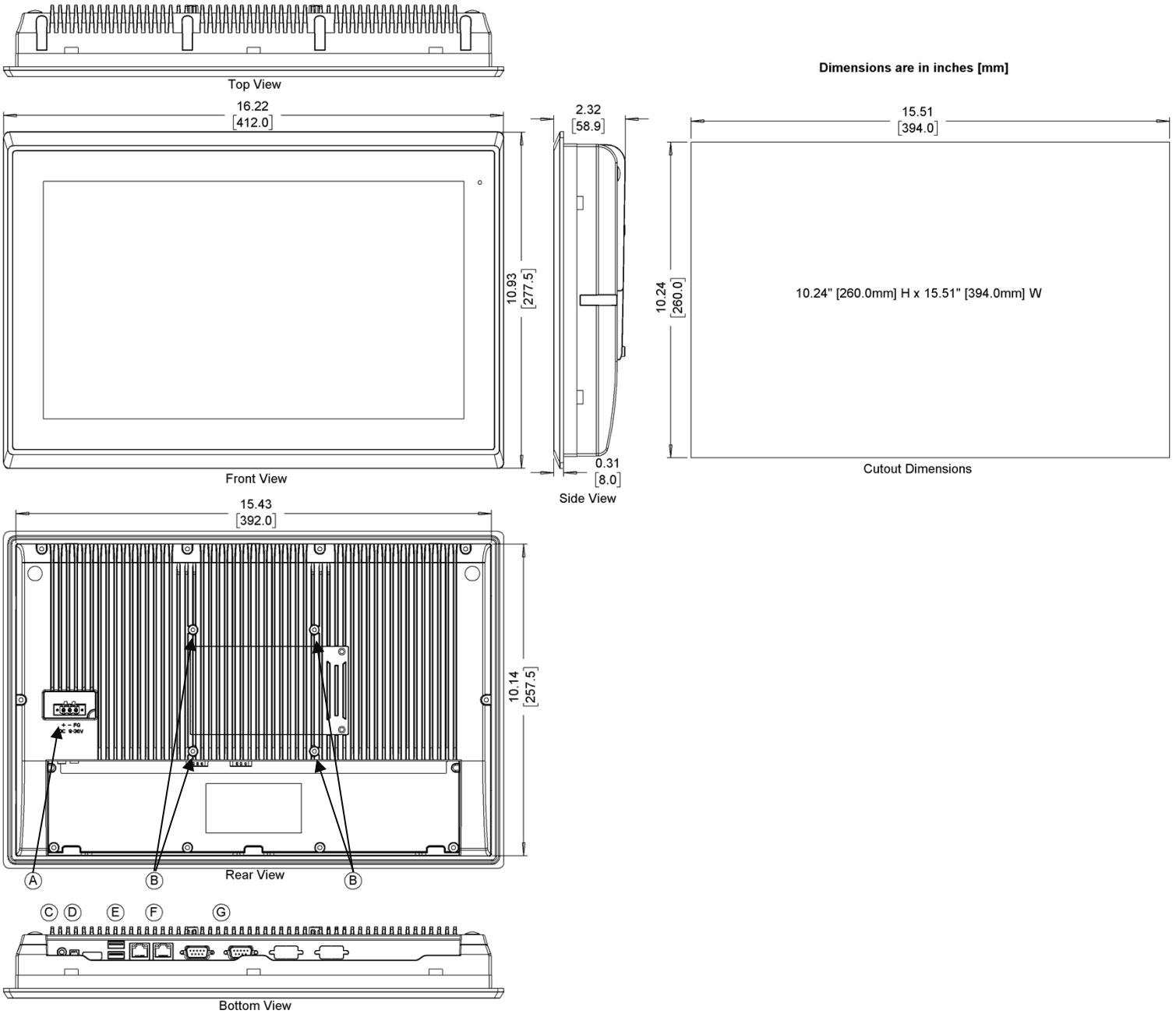
Bottom View

A Power Connector
B VESA 100 x 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

OMI6915A Specifications

System	**CPU**	**Intel® 4th Gen Core™ i5-4300U CPU processor**
	System Chipset	SoC
	System Memory	Onboard DDR3L 8 GB 1600 MHz
I/O Ports	**USB**	2 x USB 3.0 type A
	Serial	COM1: RS-232/422/485 DE-9P (default RS-232)
		COM2: RS-232 DE-9P
	Audio	1 x 3.5 mm line out
	LAN	2 x GbE RJ-45
	Power	3-pin connector header, DC power input
	Remote Power Switch	2-pin connector header
Storage	**Solid State Drive Options ***	1 x 2.5” SATA 3, MLC (64, 128, 256, 512 GB SSD)
	SD Card Slot	N/A
Expansion	**Expansion Slot**	Optional Wi-Fi kit (Wi-Fi card and antenna)
Display	**Display Type**	15” TFT LCD
	Max. Resolution	1024 x 768
	Max. Color	16.7 M
	Luminance (cd/m²)	450
	View Angle (H°/V°)	160/140
	Contrast Ratio	800:1
	Backlight Lifetime (hours)	60,000+
Touch Screen	**Type**	5-wire resistive touch
	Interface	USB
	Light Transmission	80%
Electrical	**Input Voltage**	9~36 VDC
	Input Current	0.8 ~ 3.3 A
	Input Power	29.4 W
Mechanical	**Construction**	Silver aluminum front bezel and chassis
	Rating	IP66 / NEMA 4 when panel mounted
	Mounting	Panel mounting, VESA 100 x 100
	Dimension (W x H x D)	16.14 x 12.20 x 2.15 inches [410 x 310 x 55 mm]
	Net Weight	Approx. 9.70 lbs. [4.4 kg]
Environmental	**Operating Temperature**	32~122°F [0~50°C]
	Storage Temperature	-4~140°F [-20~60°C]
	Storage Humidity	10 to 90% @ 40°C, non-condensing
	Certification	CE / FCC Class A / cULus / RoHS
Operating System	**Microsoft Windows Options ****	Microsoft Windows© 7 Pro for Embedded 64-bit (FES 7 Pro) Microsoft Windows© 10 IoT Enterprise Embedded 2019 LTSC 64-bit (EPKEA) Microsoft Windows© 10 IoT Enterprise 2019 LTSC 64-bit (PKEA)
Notes	* Additional SSD options available; contact Maple Systems for details ** For Microsoft Windows 10 IoT 2016 LTSB Operating System, contact Maple Systems Sales. Specifications subject to change without notice	

OMI6916A Dimensions

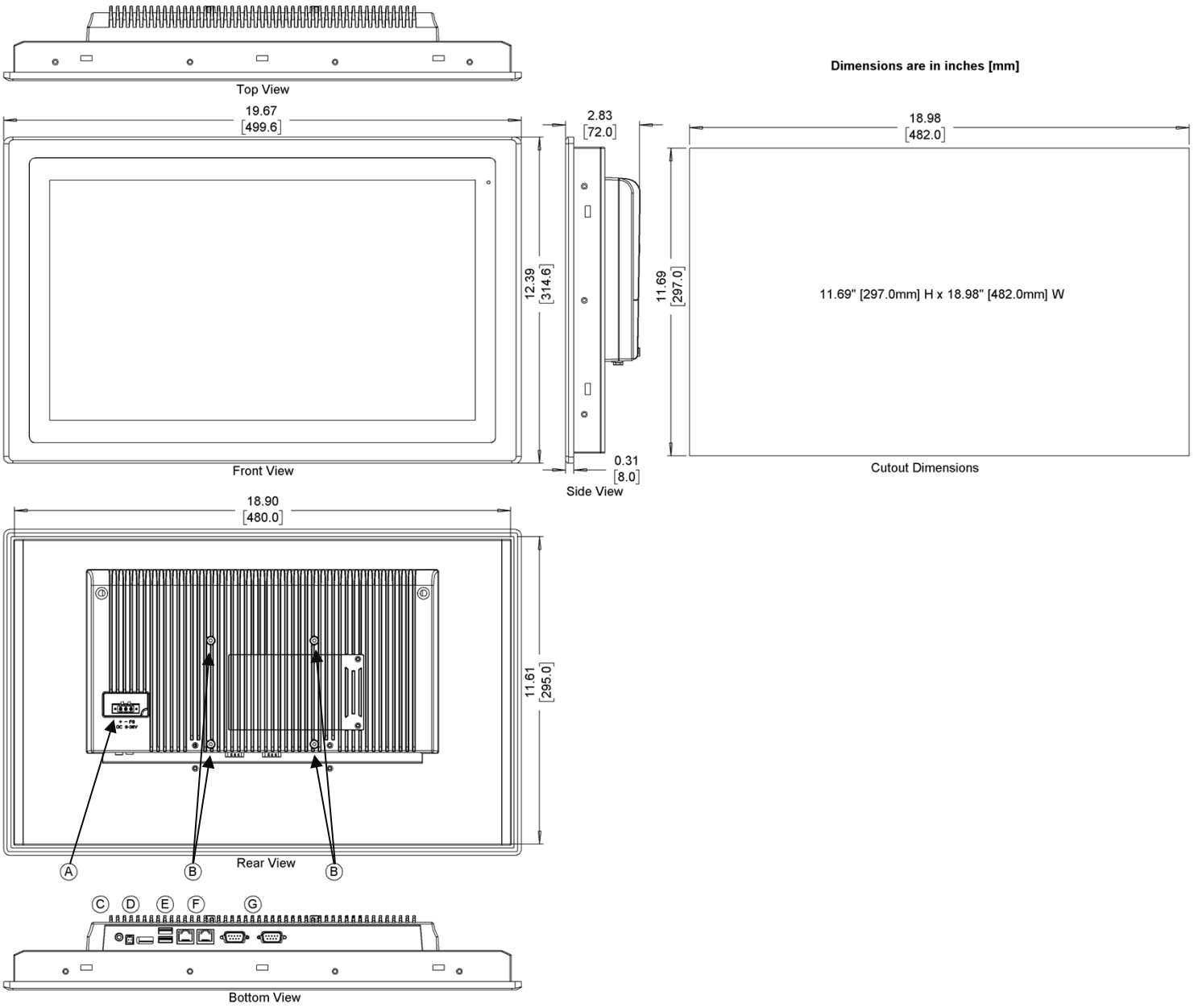


A Power Connector
B VESA 100 x 100 mm Screw Holes
C Line Out
D Remote Power Switch Connector
E USB 3.0 Host Ports
F Gigabit Ethernet Ports
G DE9P COM Port

OMI6916A Specifications

System	**CPU**	Intel® 4th Gen Core™ i5-4300U CPU processor
	System Chipset	SoC
	System Memory	Onboard DDR3L 8 GB 1600 MHz
I/O Ports	**USB**	2 x USB 3.0 type A
	Serial	COM1: RS-232/422/485 DE-9P (default RS-232)
		COM2: RS-232 DE-9P
	Audio	1 x 3.5 mm line out
	LAN	2 x GbE RJ-45
	Power	3-pin connector header, DC power input
	Remote Power Switch	2-pin connector header
Storage	**Solid State Drive Options ***	1 x 2.5” SATA 3, MLC (64, 128, 256, 512 GB SSD)
	SD Card Slot	N/A
Expansion	**Expansion Slot**	Optional Wi-Fi kit (Wi-Fi card and antenna)
Display	**Display Type**	15.6” TFT LCD
	Max. Resolution	1366 x 768
	Max. Color	16.7 M
	Luminance (cd/m²)	300
	View Angle (H°/V°)	160/160
	Contrast Ratio	500:1
	Backlight Lifetime (hours)	50,000+
Touch Screen	**Type**	5-wire resistive touch
	Interface	USB
	Light Transmission	80%
Electrical	**Input Voltage**	9~36 VDC
	Input Current	0.9 ~ 3.4 A
	Input Power	31.0 W
Mechanical	**Construction**	Silver aluminum front bezel and chassis
	Rating	IP66 / NEMA 4 when panel mounted
	Mounting	Panel mounting, VESA 100 x 100
	Dimension (W x H x D)	16.22 x 10.94 x 2.32 inches [412 x 278 x 59 mm]
	Net Weight	Approx. 11.02 lbs. [5.0 kg]
Environmental	**Operating Temperature**	32~122°F [0~50°C]
	Storage Temperature	-4~140°F [-20~60°C]
	Storage Humidity	10 to 90% @ 40°C, non-condensing
	Certification	CE / FCC Class A / cULus / RoHS
Operating System	**Microsoft Windows Options ****	Microsoft Windows© 7 Pro for Embedded 64-bit (FES 7 Pro) Microsoft Windows© 10 IoT Enterprise Embedded 2019 LTSC 64-bit (EPKEA) Microsoft Windows© 10 IoT Enterprise 2019 LTSC 64-bit (PKEA)
Notes	* Additional SSD options available; contact Maple Systems for details. ** For Microsoft Windows 10 IoT 2016 LTSB Operating System, contact Maple Systems Sales. Specifications subject to change without notice.	

OMI6918A Dimensions

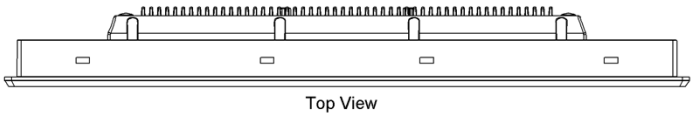


A Power Connector
B VESA 100 x 100 mm Screw Holes
C Line Out
D Remote Power Switch Connector
E USB 3.0 Host Ports
F Gigabit Ethernet Ports
G DE9P COM Port

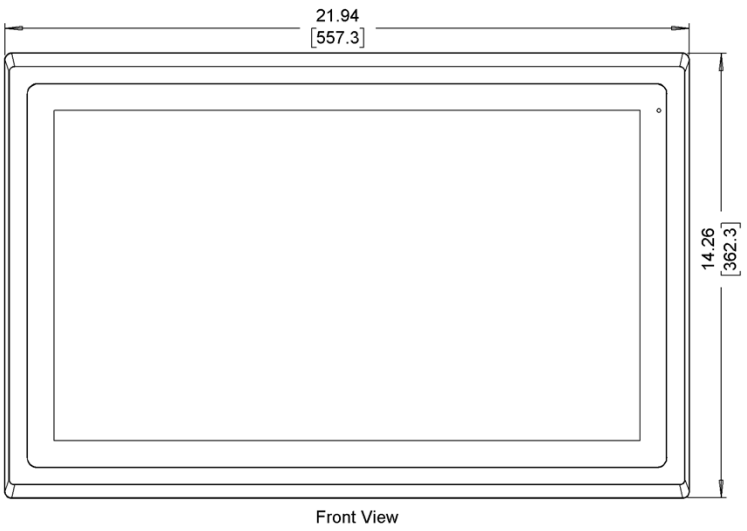
OMI6918A Specifications

System	**CPU**	Intel® 4th Gen Core™ i5-4300U CPU processor
	System Chipset	SoC
	System Memory	Onboard DDR3L 8 GB 1600 MHz
I/O Ports	**USB**	2 x USB 3.0 type A
	Serial	COM1: RS-232/422/485 DE-9P (default RS-232)
		COM2: RS-232 DE-9P
	Audio	1 x 3.5 mm line out
	LAN	2 x GbE RJ-45
	Power	3-pin connector header, DC power input
	Remote Power Switch	2-pin connector header
Storage	**Solid State Drive Options ***	1 x 2.5” SATA 3, MLC (64, 128, 256, 512 GB SSD)
	SD Card Slot	N/A
Expansion	**Expansion Slot**	Optional Wi-Fi kit (Wi-Fi card and antenna)
Display	**Display Type**	18.5” TFT LCD
	Max. Resolution	1366 x 768
	Max. Color	16.7 M
	Luminance (cd/m²)	300
	View Angle (H°/V°)	170/160
	Contrast Ratio	1000:1
	Backlight Lifetime (hours)	50,000+
Touch Screen	**Type**	5-wire resistive touch
	Interface	USB
	Light Transmission	80%
Electrical	**Input Voltage**	9~36 VDC
	Input Current	1.2 ~ 4.6 A
	Input Power	41.6 W
Mechanical	**Construction**	Silver aluminum front bezel and chassis
	Rating	IP66 / NEMA 4 when panel mounted
	Mounting	Panel mounting, VESA 100 x 100
	Dimension (W x H x D)	19.69 x 12.40 x 2.83 inches [500 x 315 x 72 mm]
	Net Weight	Approx. 14.55 lbs. [6.6 kg]
Environmental	**Operating Temperature**	32~122°F [0~50°C]
	Storage Temperature	-4~140°F [-20~60°C]
	Storage Humidity	10 to 90% @ 40°C, non-condensing
	Certification	CE / FCC Class A / cULus / RoHS
Operating System	**Microsoft Windows Options ****	Microsoft Windows© 7 Pro for Embedded 64-bit (FES 7 Pro) Microsoft Windows© 10 IoT Enterprise Embedded 2019 LTSC 64-bit (EPKEA) Microsoft Windows© 10 IoT Enterprise 2019 LTSC 64-bit (PKEA)
Notes	* Additional SSD options available; contact Maple Systems tor details. ** For Microsoft Windows 10 IoT 2016 LTSB Operating System, contact Maple Systems Sales. Specifications subject to change without notice.	

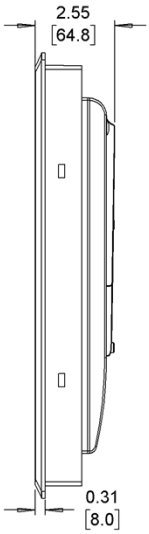
OMI6921A Dimensions



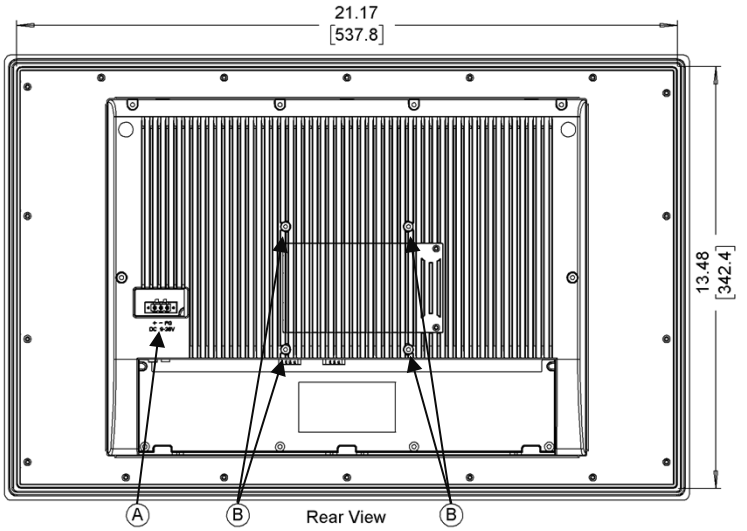
Top View



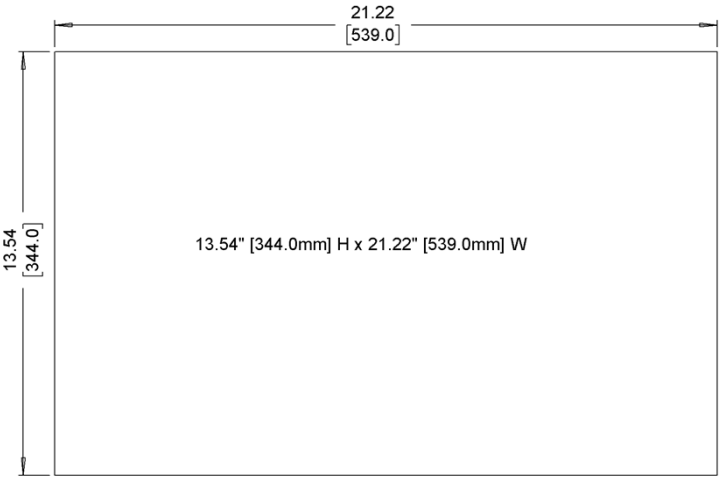
Front View



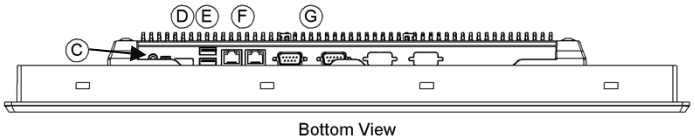
Side View



Rear View



Cutout Dimensions



Bottom View

A Power Connector
B VESA 100 x 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

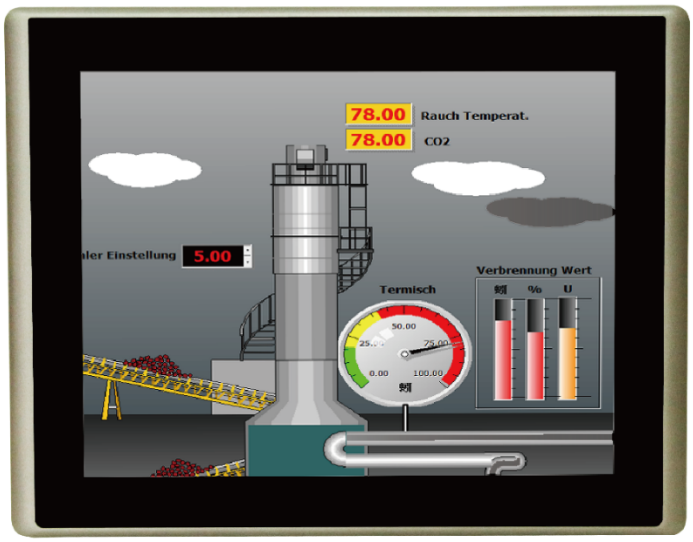
OMI6921A Specifications

System	**CPU**	Intel® 4th Gen Core™ i5-4300U CPU processor
	System Chipset	SoC
	System Memory	Onboard DDR3L 8 GB 1600 MHz
I/O Ports	**USB**	2 x USB 3.0 type A
	Serial	COM1: RS-232/422/485 DE-9P (default RS-232)
		COM2: RS-232 DE-9P
	Audio	1 x 3.5 mm line out
	LAN	2 x GbE RJ-45
	Power	3-pin connector header, DC power input
	Remote Power Switch	2-pin connector header
Storage	**Solid State Drive Options ***	1 x 2.5” SATA 3, MLC (64, 128, 256, 512 GB SSD)
	SD Card Slot	N/A
Expansion	**Expansion Slot**	Optional Wi-Fi kit (Wi-Fi card and antenna)
Display	**Display Type**	21.5” TFT LCD
	Max. Resolution	1920 x 1080
	Max. Color	16.7 M
	Luminance (cd/m²)	250
	View Angle (H°/V°)	178/178
	Contrast Ratio	3000:1
	Backlight Lifetime (hours)	30,000+
Touch Screen	**Type**	5-wire resistive touch
	Interface	USB
	Light Transmission	80%
Electrical	**Input Voltage**	9~36 VDC
	Input Current	0.9 ~ 3.7 A
	Input Power	33.3 W
Mechanical	**Construction**	Silver aluminum front bezel and chassis
	Rating	IP66 / NEMA 4 when panel mounted
	Mounting	Panel mounting, VESA 100 x 100
	Dimension (W x H x D)	21.94 x 14.26 x 2.56 inches [557.3 x 362.3 x 64.8 mm]
	Net Weight	Approx. 16.53 lbs. [7.5 kg]
Environmental	**Operating Temperature**	32~122°F [0~50°C]
	Storage Temperature	-4~140°F [-20~60°C]
	Storage Humidity	10 to 90% @ 40°C, non-condensing
	Certification	CE / FCC Class A / cULus / RoHS
Operating System	**Microsoft Windows Options ****	Microsoft Windows© 7 Pro for Embedded 64-bit (FES 7 Pro) Microsoft Windows© 10 IoT Enterprise Embedded 2019 LTSC 64-bit (EPKEA) Microsoft Windows© 10 IoT Enterprise 2019 LTSC 64-bit (PKEA)
Notes	* Additional SSD options available; contact Maple Systems tor details. ** For Microsoft Windows 10 IoT 2016 LTSB Operating System, contact Maple Systems Sales. Specifications subject to change without notice.	

OVERVIEW OF OMI6900 SERIES

The OMI6900 Series is available in 12.1”, 15”, 15.6”, 18.5”, and 21.5” screen sizes.

The OMI6900 is a compact flat panel touch screen and is powered by the Intel 4th Gen Core i5 CPU processor with built-in 8GB DDR3L 1600MHz.



Front View of OMI6900 Series

Rear View of OMI6912

Rear View of OMI6915

Rear View of OMI6916

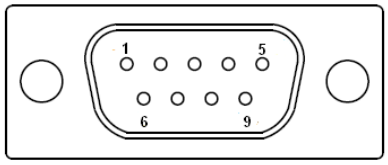
Rear View of OMI6918

Rear View of OMI6921

I/O PORTS

COM1 and COM2:

Connector Type: DE9P male serial ports.

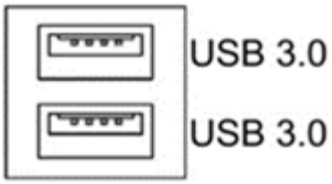


Pin #	COM1*			COM2
	(RS-232 Default)	(RS422)	(RS485)	(RS232)
1	DCD	422_RX+	NC	DCD
2	RXD	422_RX-	NC	RXD
3	TXD	422_TX-	485-	TXD
4	DTR	422_TX+	485+	DTR
5	GND	GND	GND	GND
6	DSR	NC	NC	DSR
7	RTS	NC	NC	RTS
8	CTS	NC	NC	CTS
9	RI	NC	NC	RI
* Refer to “Setting COM1 Function” to set the communication mode.				

Line Out:
Connector Type: 3.5mm audio jack.

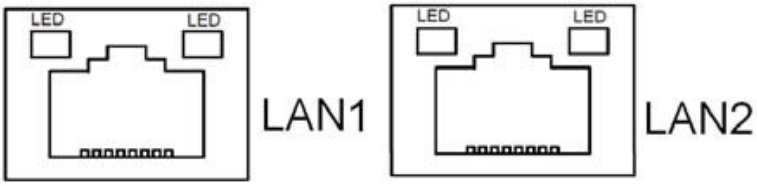
Line out HD Audio port can be connected to a headphone or amplifier.

USB:
OMI6900 models have 2 USB 3.0 type A ports.

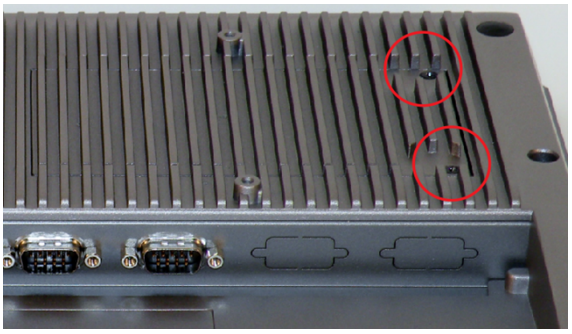
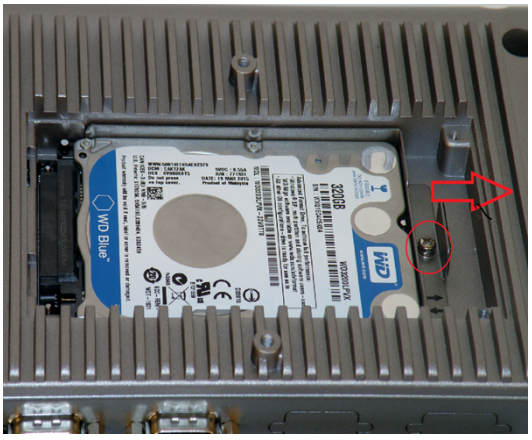


Note: USB 3.0 allows data transfers up to 5000 Mb/s, full-speed, and low-speed signaling. The current limit is 2.0A

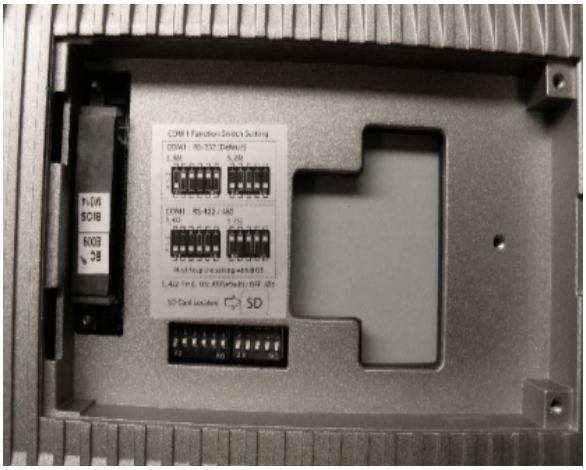
LAN1 and LAN2:
Standard 10/100/1000M RJ-45 Ethernet ports, LINK LED (green) and ACTIVE LED (yellow) respectively located at the left-hand and right-hand side of the Ethernet port indicate the activity and transmission state of the network.



SETTING COM1 FUNCTION

1. Using a #1 Phillips screwdriver, remove the 2 Phillips screws indicated in the figure.	
2. Remove the storage cover by lifting it out of the unit.	
3. Using a #1 Phillips screwdriver, remove the 1 screw retaining the storage bracket. Then carefully slide the bracket out of the unit.	

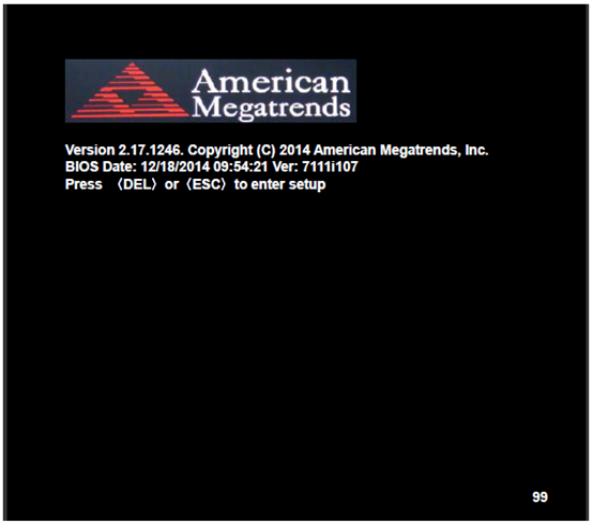
4. The DIP switches are now visible.



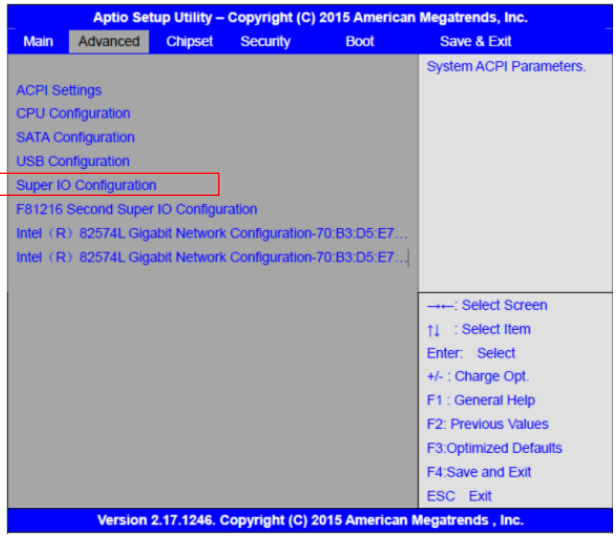
5. Reference the “COM1 Function Switch Setting” label and/or the following chart to set the DIP switches to the desired RS-232, RS-422, or RS-485 communication mode.

Function	S_422 (switches 1-5)	S_232 (all switches)
RS232 (Default)	OFF	ON
RS422	ON	OFF
RS485	ON	OFF

6. Slide the bracket and storage device into the OMI, securing it with the screw removed in step 3.

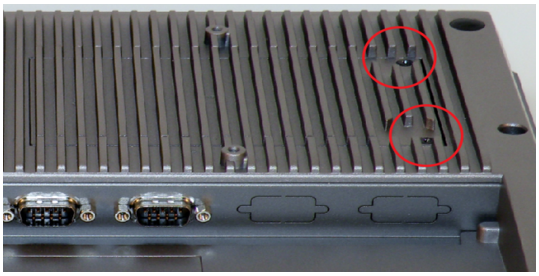
7. Replace the storage cover and secure it with the screws removed in step 1.	
8. Enter the BIOS Setup Utility to select the desire communication mode by pressing [Delete] key during POST. The Main menu containing the system summary information will appear.	

9. Set the “UART1 Mode Selection” to the desired COM1 communication mode as follows:
   - ➢ Advance
     - ➢ F81216 Second Super IO Configuration.
       - ➢ Super IO chip F81216SEC Second IO
         - ➢ Serial Port 0 Configuration
           - ➢ UART1 Mode Selection：
             - **[RS-232]**
             - [RS-485]
             - [RS-422]



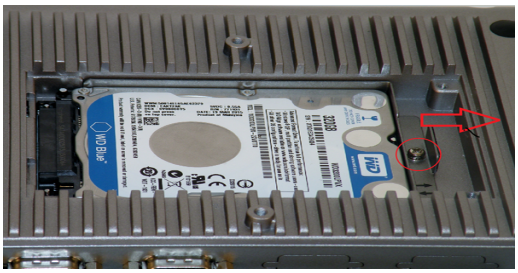
Remote power switch configuration

1. Using a #1 Phillips screwdriver, remove the 2 Phillips screws indicated in the figure.



2. Remove the storage cover by lifting it out of the unit.

3. Using a #1 Phillips screwdriver, remove the 1 screw retaining the storage bracket. Then carefully slide the bracket out of the unit.



4. The DIP switches and switch settings are now visible.

5. Reference the “COM1 Function Switch Setting” label and the chart to set the DIP switch 6 for AT(Default) or ATX

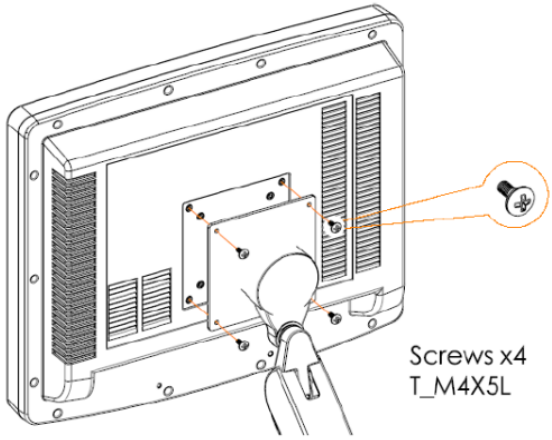
Function	S_422 (switch 6)
Auto Power ON (AT Default)	ON
Remote Switch Power ON (ATX)	OFF

6. Slide the bracket and storage device into the OMI, securing it with the screw removed in step 3.	
7. Replace the storage cover and secure it with the screws removed in step 1.	

VESA MOUNTING

The OMI6900 Series offers VESA mounting as an option. VESA 100 x 100 mm threaded inserts are located on the rear of the unit. Use the M4 threaded mounting screws included with the VESA mounting hardware to mount the OMI6900 as illustrated in the figure below.

Use VESA mounting hardware suitable for your intended application; Maple Systems is not responsible for damage to unit, mounting surface, or to other components caused by improper mounting.

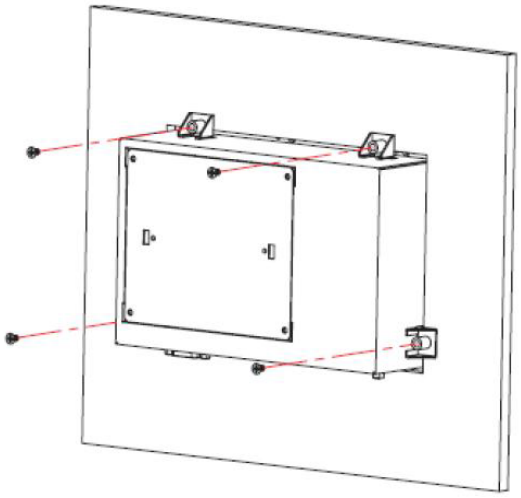


PANEL MOUNTING

In addition to VESA mounting, the OMI can be mounted in a panel using the mounting holes located on the sides and top of the unit. Use the included clamps to fasten the OMI6900 to a panel, cut out to the proper dimensions on the datasheet corresponding to your display size.

Tighten the panel bolts with a torque force between **7 ~ 8.5 inch/lbs**. to ensure an adequate seal. Torque values outside this range may negate NEMA or IP rating, or cause damage to the unit or panel.

Maple Systems is not responsible for damage to unit, mounting surface, or to other components caused by improper mounting.



Note: *The image above is a representative image of the panel mounting process; your specific OMI6900 Series unit may differ in appearance, but mounting is functionally similar.*

Driver Installation

Your OMI6800B series comes with all necessary drivers pre-installed. As such, driver installation is not normally needed. However, there may be times when a driver requires re-installation. Use the Support DVD that came with your unit to install all non-Windows Operating System Drivers. If you no longer have your Support DVD, visit the Support Center of the Maple Systems website for driver download.

Equipment required:

- OMI6000 Support DVD
- USB External DVD drive

Instructions:

- Plug in the USB external DVD drive into one of the USB ports.
- Load the support DVD into the external drive.
- Access the OMI6000 support DVD and open the folder corresponding to the driver you want to install / reinstall.
- Double-click the application (setup.exe) file to begin driver installation.
- Follow the instructional prompts on the screen.
- We recommend that you restart your computer when prompted, and after completion of all driver installations.

Windows Operating System Reinstallation

In the unlikely event of a system failure requiring reinstallation of the Windows Operating System, use the OS Recovery DVD (enclosed with Non-Embedded Operating Systems only) to reinstall Windows as it arrived to you from Maple Systems. You will need to re-activate Windows using the Product Key located on the rear panel of your unit, adjacent to the product label.

In the event that you wish to update your Windows Operating System (Non-Embedded Operating Systems only), simply connect the OMI6900 Series unit to the Internet and run the Windows Update utility.

Embedded Operating Systems do not come with an OS Recovery DVD. In the extremely unlikely event the Windows OS needs to be reinstalled, contact your Maple Systems Sales Engineer for instructions.

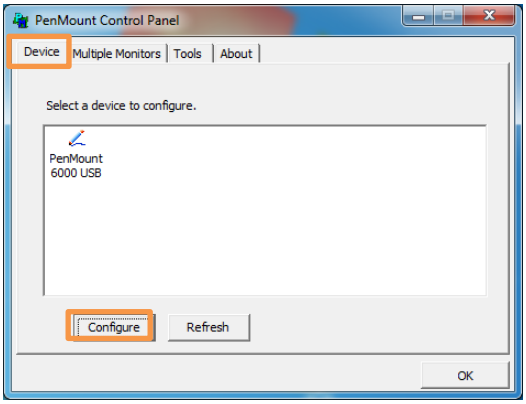
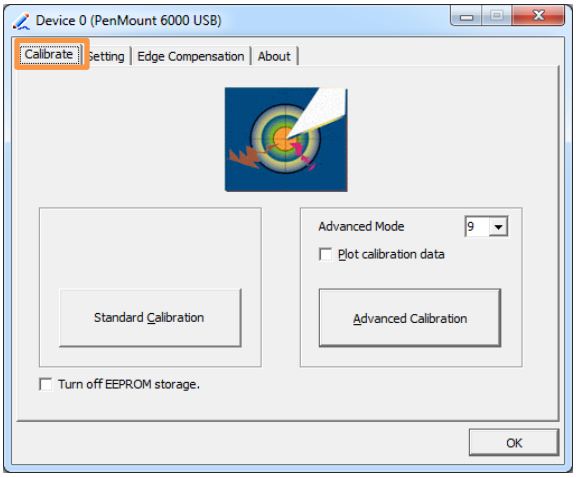
TOUCH SCREEN

The OMI6900 Series includes an analog resistive touch screen. An application is pre-loaded onto your OMI6900 Series which allows you to calibrate and change the settings of the touch screen.

Touch Screen Calibration

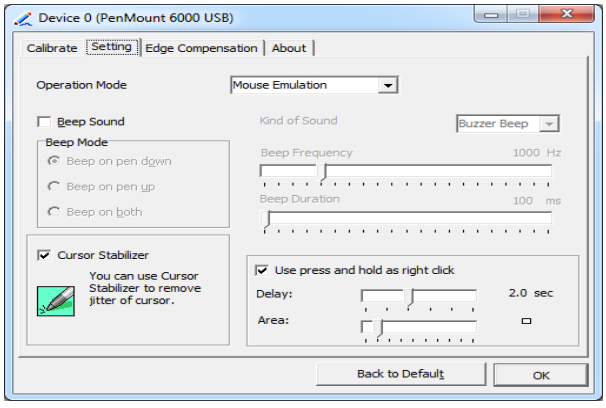
The touch screen may need to be recalibrated from time-to-time. There are two calibration methods: 'Standard Calibration' and 'Advanced Calibration':

- **Standard Calibration:** The simpler of the two methods, this method can be used for most touch screen calibrations required.
- **Advanced Calibration:** As your OMI6900 ages, the touch screen may require finer adjustments which can be accomplished using this method.

1. Click "Start", then "All Programs", and select "PenMount Windows Universal Driver (WHQL)". Open the "Utility" folder and click "PenMount Control Panel" When the PenMount Control Panel window opens, select "PenMount 6000 USB" and click "Configure".	
2. Select "Standard Calibration" or "Advanced Calibration". "Turn off EEPROM storage"- this option will disable writing any calibration data to the EEPROM controller. Default is enabled.	

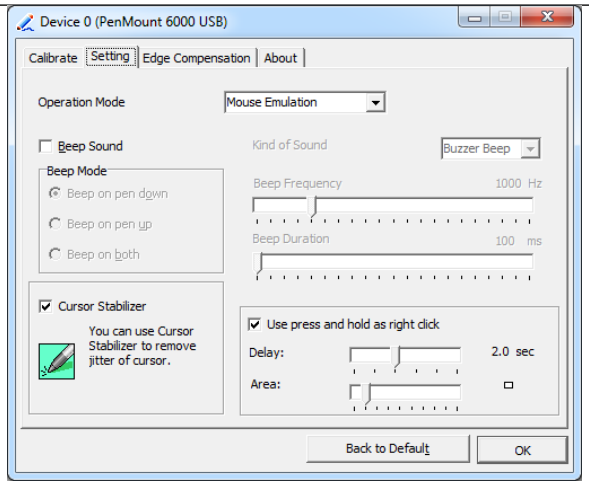
3. For Standard Calibration: Click this button and arrows appear pointing to red squares. Use your finger or stylus to touch the red squares in sequence. After the fifth red point calibration is complete.	
4. For Advanced Calibration: Click this button and arrows appear pointing to red squares. Use your finger or stylus to touch the red squares in sequence. After the fifth red point calibration is complete. “Plot calibration data”- this option will display a linearity comparison graph after calibration is complete. The blue lines show linearity before while black lines show linearity after calibration.	

Touch Screen Settings

1. Touch Mode: • This mode enables and disables the mouse’s ability to drag on-screen icons – useful for configuring POS terminals. • Mouse Emulation – Select this mode and the mouse functions as normal and allows dragging of icons. • Click on Touch – Select this mode and mouse only provides a click function, and dragging is disables.	

2. Beep Mode: • Enable Beep Sound – turns beep function on and off • Beep on Pen Down – beep occurs when pen comes down • Beep on Pen Up – beep occurs when pen is lifted up • Beep on both – beep occurs when comes down and lifted up • Beep Frequency – modifies sound frequency • Beep Duration – modifies sound duration	
3. Cursor Stabilizer: • Enable the function support to prevent cursor shake.	
4. Use press and hold as right click • You can set the time out and area for you need.	

Touch Screen Edge Compensation

1. You can use Edge Compensation to calibrate more subtly.	

OPERATING SYSTEM OPTIONS

The OMI6900 series OMIs can be purchased with the following operating systems pre-installed:

- Windows 7 Pro For Embedded systems (FES7)
- Windows 10 IoT Enterprise 2019 LTSC (ESD)
- Windows 10 IoT Enterprise Embedded 2019 LTSC (ESD)

Windows 7 Professional for Embedded Systems

Windows 7 Professional for Embedded is the same operating system that would be installed on a typical PC. It provides the most flexibility but will have the largest memory and CPU footprint. Any software that can run on a Windows 7 PC can be loaded onto an OMI6900 running Windows 7 Pro.

Windows 10 IoT Enterprise 2019 LTSC

Windows 10 IoT Enterprise LTSC is a full Professional version of Windows 10, available on all OMI6800B models. This powerful operating system delivers enterprise manageability and security to IoT solutions. Additionally, all the features and functionality that customers expect to find on their desktop PC are available in this version. The Long Term Servicing Channel (LTSC) version ensures long term stability that critical production systems require by updating only necessary operating system components, with significantly fewer update interruptions.

Included Apps:

- Microsoft Edge Web Browser
- LibreOffice Suite (Compatible with the following document types:)
  - MS Word
  - MS Excel
  - MS PowerPoint
  - Adobe PDF
- Media Player

WONDERWARE / AVEVA™ EDGE on an OMI6900

All of the OMI6900 series Panel PCs are compatible with Wonderware / AVEVA™ Edge SCADA software package. The choice of operating system will determine the target platform and runtime license required as shown in the chart below:

Operating System	Runtime License*	Target Platform
Windows 7 Pro	… for Windows	Windows
Windows 10 IoT Enterprise	…for Embedded view..for windows Embedded	Windows

* There are multiple options for each operating system indicated by "…" in the chart above. Refer to the *AVEVA™ Edge price list* for details.

For Windows Embedded Standard 7 and Windows 7 Pro, install AVEVA™ Edge directly on the Panel PC. The installer can be transferred with a USB flash drive. It is possible to install only the runtime files.

For Windows 10 IoT Enterprise LTSC, install the Embedded View runtime by copying CEServer.exe from your C:\Program Files (x86)\InduSoft Web Studio v8.1\Redist\WinEmbedded\Bin to the PC system files.

Your Industrial Control Solutions Source

www.maplesystems.com

1010-1070 Rev. 02

Maple Systems, Inc. | 808 134th St. SW, Suite 120, Everett, WA 98204 | 425.745.3229