MON1000AP Series

Projected Capacitive Touch Monitors



- Eight Display Size Options from 10.4” to 27”
- Projected Capacitive Touch
- VGA, DVI-D, DisplayPort and HDMI® Inputs
- VESA-100 or Panel Mount Design

I/O Ports	**Audio**	Non-functional			
	Power	DC power input jack, thumbscrew secured.			
	Power Switch	1 x Momentary Pushbutton with Integrated LED			
	Display Interface Options	1 x VGA 1 x DVI-D 1 x DisplayPort 1.2 1 x HDMI® 1.4a			
	USB	1 x Type-B USB 2.0 Client Port (For Touch Interface)			
Touch Screen	**Type**	Projected Capacitive Touch			
	Interface	USB			
Display	**Display Type**	**10.4” TFT XGA LCD**	**12.1” TFT XGA LCD**	**15” TFT XGA LCD**	**15.6” Widescreen TFT FHD LCD**
	Resolution	1024 x 768	1024 x 768	1024 x 768	1920 x 1080
	Max. Color	16.2 M	16.2 M	16.2 M	16.2 M
	Luminance (cd/m²)	350	500	300	450
	View Angle (H°/V°)	170/170	170/170	170/160	170/170
	Contrast Ratio	1000:1	700:1	2000:1	500:1
	Backlight Lifetime (hrs)	50,000+	50,000+	50,000+	50,000+
Electrical	**Input Voltage**	12~24 VDC	12~24 VDC	12~24 VDC	12~24 VDC
	Input Current	0.29~0.58 A	0.36~0.73 A	0.42~0.83 A	0.68~1.35 A
	Input Power	7 W	8.75 W	10 W	16.25 W
Mechanical	**Dimension (W x H x D)**	11.58 x 8.90 x 2.16” [294 x 226 x 54.9 mm]	12.48 x 9.65 x 2.16” [317 x 245 x 54.9 mm]	13.98 x 11.42 x 2.16” [355 x 290 x 54.9 mm]	15.75 x 9.84 x 1.90” [400 x 250 x 48.3 mm]
	Net Weight	6.17 lbs [2.8 kg]	6.61 lbs [3.0 kg]	9.04 lbs [4.1 kg]	9.04 lbs [4.1 kg]
	Panel Cutout Dimensions (W x H)	10.63 x 7.95” [270 x 202 mm]	11.54 x 8.70” [293 x 221 mm]	13.03 x 10.47” [331 x 266 mm]	14.57 x 8.90” [370 x 226 mm]
	Construction	Aluminum Front Bezel, Steel Chassis			
	Rating	IP65 compliant front panel, NEMA 4 when panel mounted			
	Mounting	Panel mounting, VESA 100 x 100			
Environmental	**Operating Temperature**	32~104°F [0~40°C]			
	Storage Temperature	-22~175°F [-30~80°C]			
	Storage Humidity	10 to 90% @ 40°C, non-condensing			
	Shock Resistance	10G acceleration peak to peak, 11ms duration			
	Vibration Resistance	5~17 Hz, 0.1” double amplitude peak to peak, 1.5G acceleration peak to peak			
	Certifications	CE / FCC Class B / RoHS			
Notes	Specifications subject to change without notice.				

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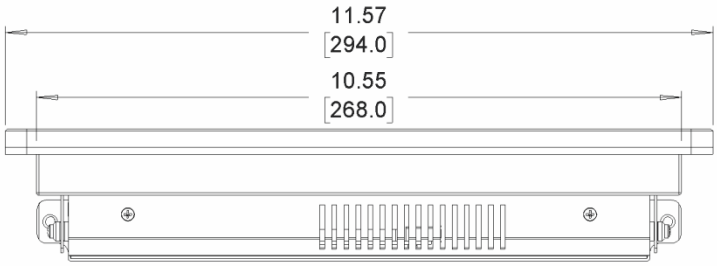
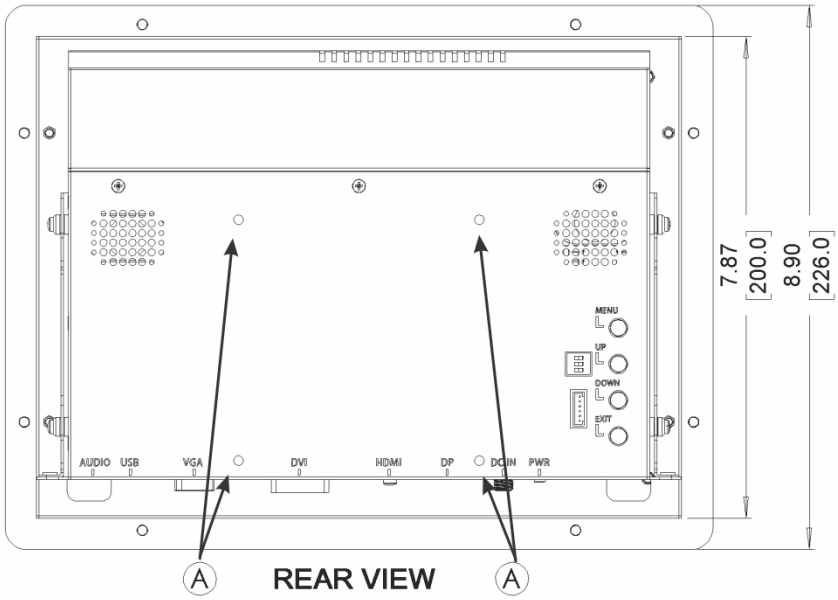
	Power Switch	1 x Momentary Pushbutton with Integrated LED			
	Display Interface Options	1 x VGA 1 x DVI-D 1 x DisplayPort 1.2 1 x HDMI® 1.4a			
	USB	1 x Type-B USB 2.0 Client Port (For Touch Interface)			
Touch Screen	**Type**	Projected Capacitive Touch			
	Interface	USB			
Display	**Display Type**	**17” TFT SXGA LCD**	**19” TFT SXGA LCD**	**21.5” Widescreen TFT FHD LCD**	**27” TFT XVGA LCD**
	Resolution	1280 x 1024	1280 x 1024	1920 x 1080	1920 x 1080
	Max. Color	16.2 M	16.2 M	16.2 M	16.2 M
	Luminance (cd/m²)	400	350	300	300
	View Angle (H°/V°)	160/160	170/160	170/160	178/178
	Contrast Ratio	1000:1	1000:1	3000:1	1000:1
	Backlight Lifetime (hrs)	50,000+	30,000+	50,000+	30,000+
Electrical	**Input Voltage**	12~24 VDC	12~24 VDC	12~24 VDC	12~24 VDC
	Input Current	0.52~1.04 A	0.58~1.17 A	0.81~1.63 A	1.06~2.12 A
	Input Power	12.5 W	14 W	19.5 W	25.4 W
Mechanical	**Dimension (W x H x D)**	15.23 x 13.09 x 2.16” [386.9 x 332.5 x 54.9 mm]	17.44 x 14.49 x 1.98” [443 x 368 x 50.3 mm]	20.63 x 13.00 x 2.16” [524 x 330.2 x 54.9 mm]	25.77 x 15.54 x 1.92” [654.6 x 394.8 x 48.8 mm]
	Net Weight	9.92 lbs [4.5 kg]	15.65 lbs [7.1 kg]	15.21 lbs [6.9 kg]	15.75 lbs [7.14 kg]
	Panel Cutout Dimensions (W x H)	14.29 x 12.17” [363 x 309 mm]	16.69 x 13.82” [424 x 351 mm]	19.82 x 12.09” [503.5 x 307 mm]	24.53 x 14.45” [623 x 367 mm]
	Construction	Aluminum Front Bezel, Steel Chassis			
	Rating	IP65 compliant front panel, NEMA 4 when panel mounted			
	Mounting	Panel mounting, VESA 100 x 100			
Environmental	**Operating Temperature**	32~104°F [0~40°C]			
	Storage Temperature	-22~175°F [-30~80°C]			
	Storage Humidity	10 to 90% @ 40°C, non-condensing			
	Shock Resistance	10G acceleration peak to peak, 11ms duration			
	Vibration Resistance	5~17 Hz, 0.1” double amplitude peak to peak, 1.5G acceleration peak to peak			
	Certifications	CE / FCC Class B / RoHS			
Notes	Specifications subject to change without notice.				

MON1010APv2

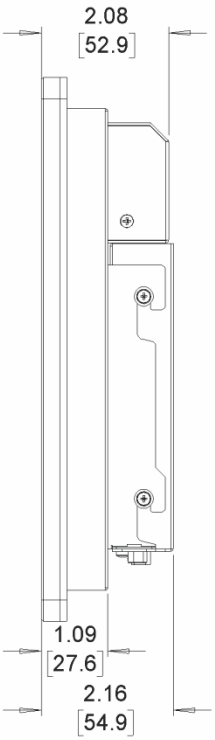


TOP VIEW

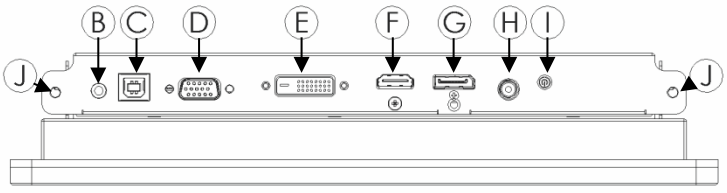
DIMENSIONS ARE IN INCHES [MM]



REAR VIEW



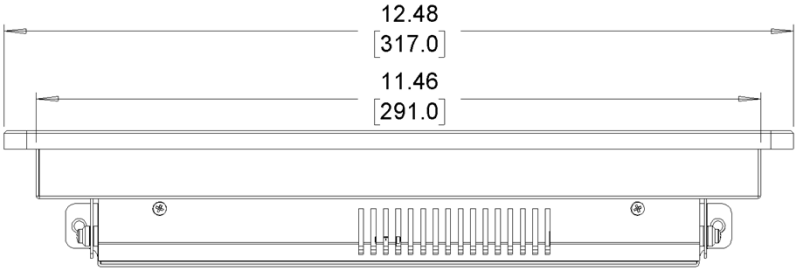
SIDE VIEW



BOTTOM VIEW

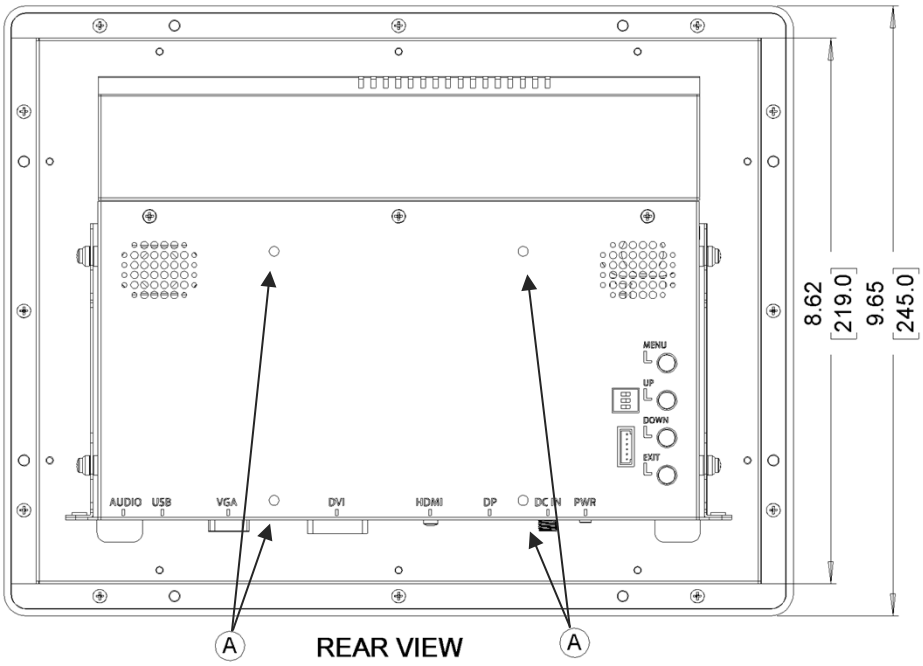
A	VESA 100 x 100 Mounting
B	Audio Port (Non-Functional)
C	USB 2.0 Type-B Client Port
D	VGA Input
E	DVI-D Input
F	HDMI® Input
G	DisplayPort Input
H	DC Input Power Connector
I	Illuminated Power Button
J	Thumb-Screw Mounting

MON1012APv2

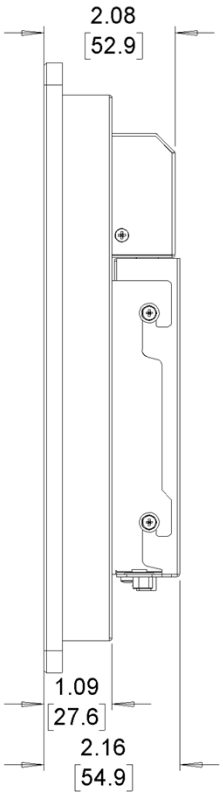


TOP VIEW

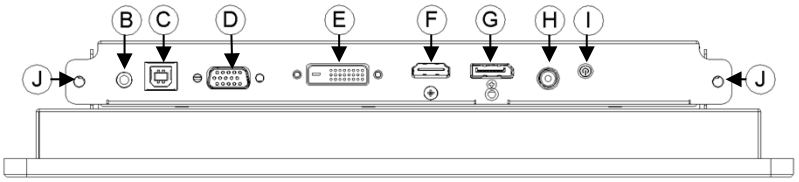
DIMENSIONS ARE IN INCHES [MM]



REAR VIEW



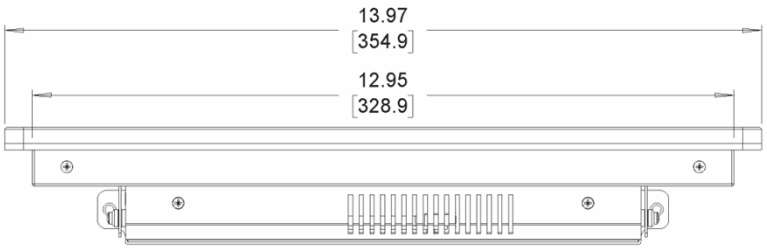
SIDE VIEW



BOTTOM VIEW

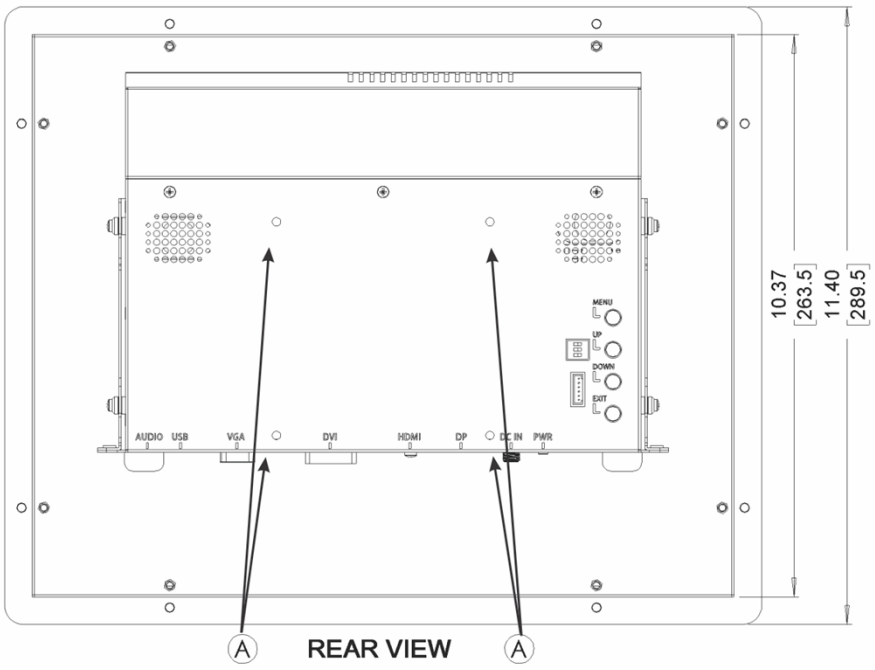
A	VESA 100 x 100 Mounting
B	Audio Port (Non-Functional)
C	USB 2.0 Type-B Client Port
D	VGA Input
E	DVI-D Input
F	HDMI® Input
G	DisplayPort Input
H	DC Input Power Connector
I	Illuminated Power Button
J	Thumb-Screw Mounting

MON1015APv2

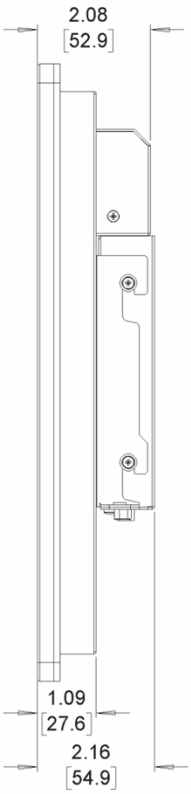


TOP VIEW

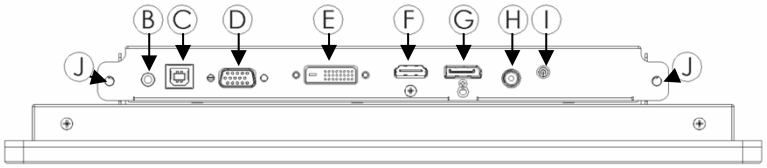
DIMENSIONS ARE IN INCHES [MM]



REAR VIEW



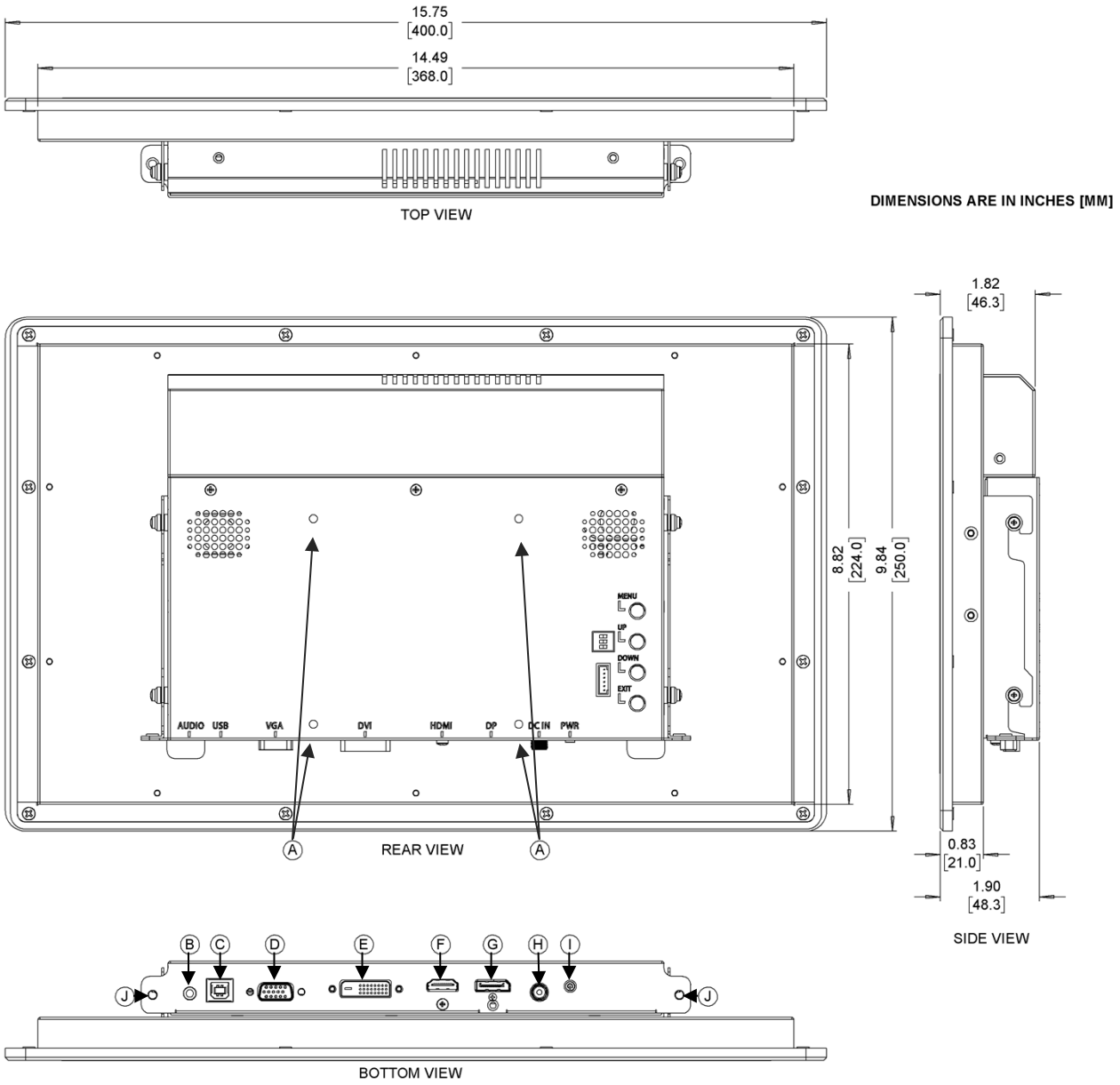
SIDE VIEW



BOTTOM VIEW

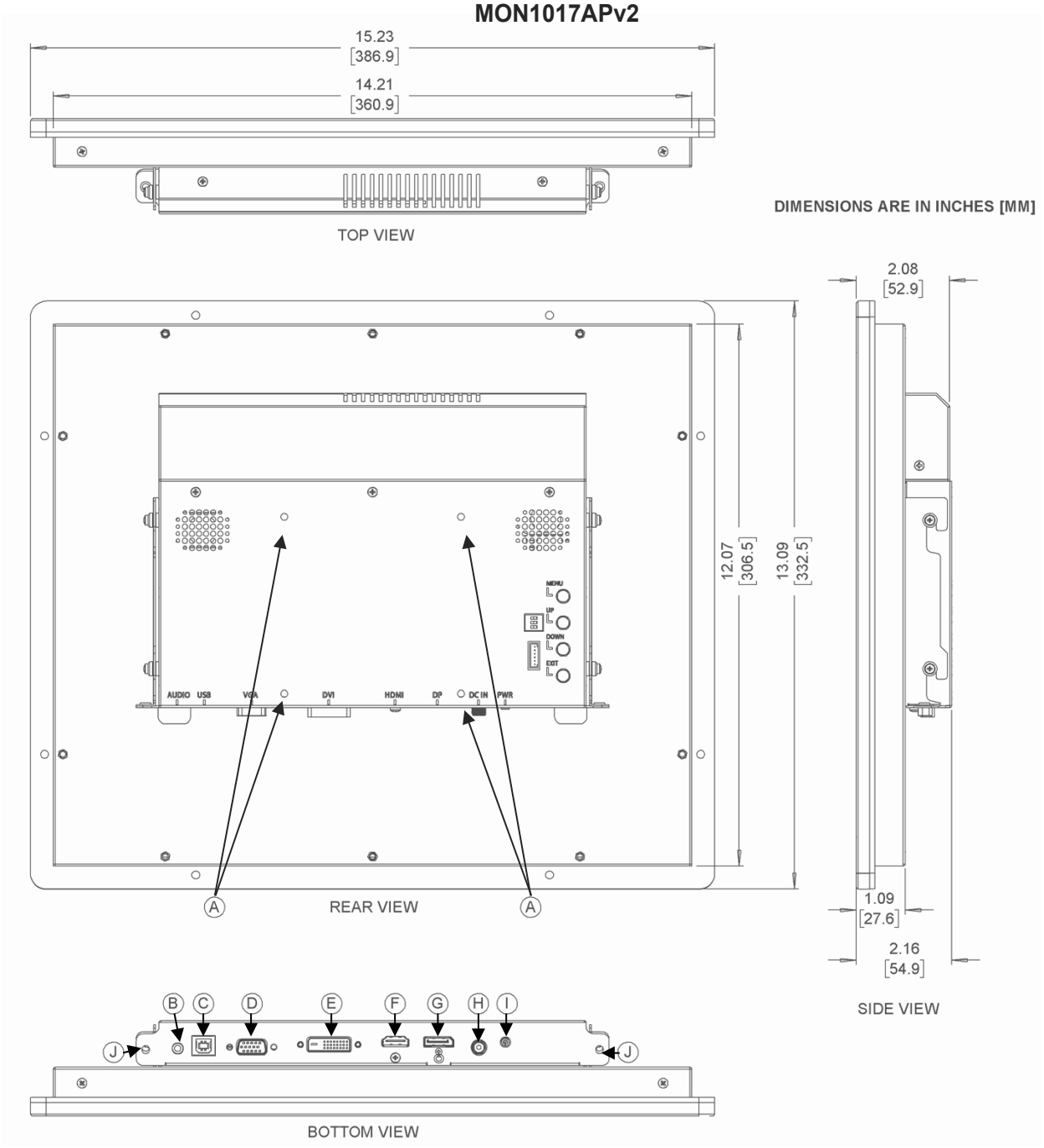
A	VESA 100 x 100 Mounting
B	Audio Port (Non-Functional)
C	USB 2.0 Type-B Client Port
D	VGA Input
E	DVI-D Input
F	HDMI® Input
G	DisplayPort Input
H	DC Input Power Connector
I	Illuminated Power Button
J	Thumb-Screw Mounting

MON1016APv2



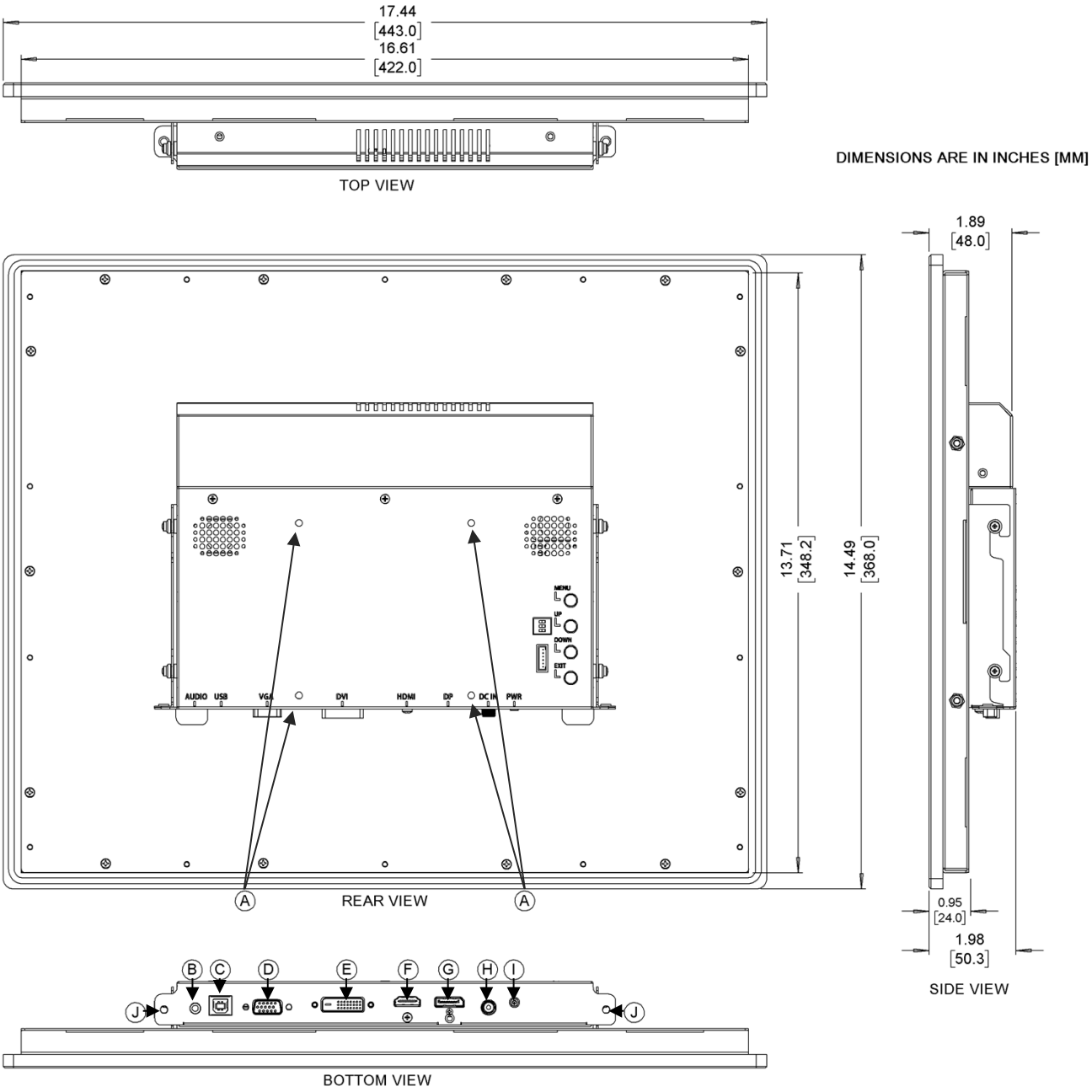
A	VESA 100 x 100 Mounting
B	Audio Port (Non-Functional)
C	USB 2.0 Type-B Client Port
D	VGA Input
E	DVI-D Input
F	HDMI® Input
G	DisplayPort Input
H	DC Input Power Connector
I	Illuminated Power Button
J	Thumb-Screw Mounting

MON1017APv2



A	VESA 100 x 100 Mounting
B	Audio Port (Non-Functional)
C	USB 2.0 Type-B Client Port
D	VGA Input
E	DVI-D Input
F	HDMI® Input
G	DisplayPort Input
H	DC Input Power Connector
I	Illuminated Power Button
J	Thumb-Screw Mounting

MON1019APv2



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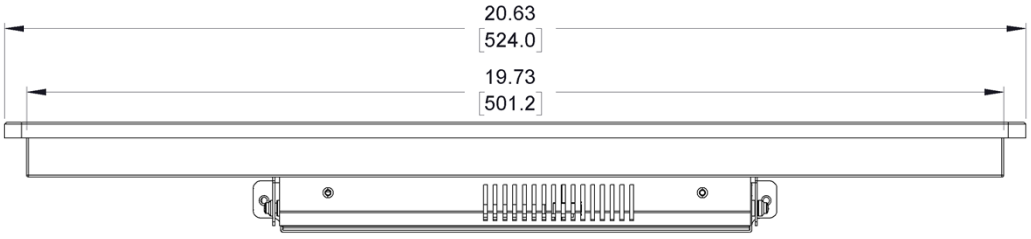
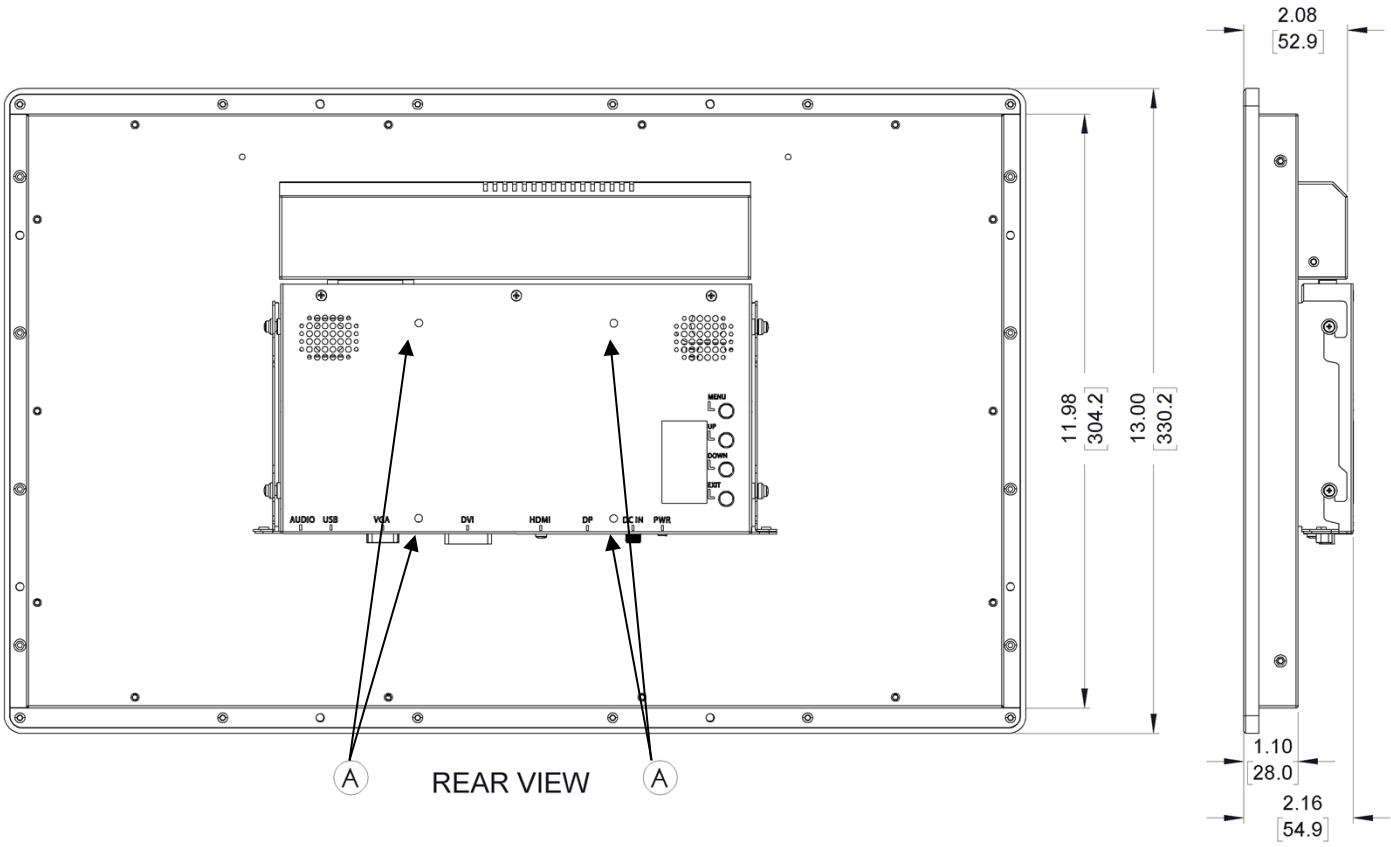
B	Audio Port (Non-Functional)
C	USB 2.0 Type-B Client Port
D	VGA Input
E	DVI-D Input
F	HDMI® Input
G	DisplayPort Input
H	DC Input Power Connector
I	Illuminated Power Button
J	Thumb-Screw Mounting

MON1021APv3

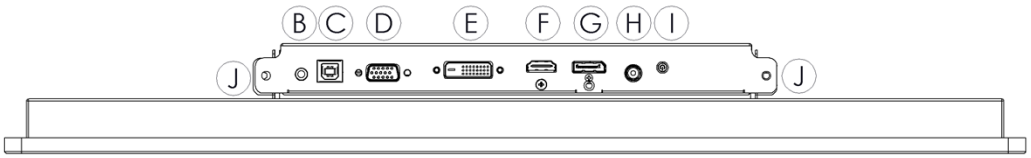


TOP VIEW



REAR VIEW

SIDE VIEW



BOTTOM VIEW

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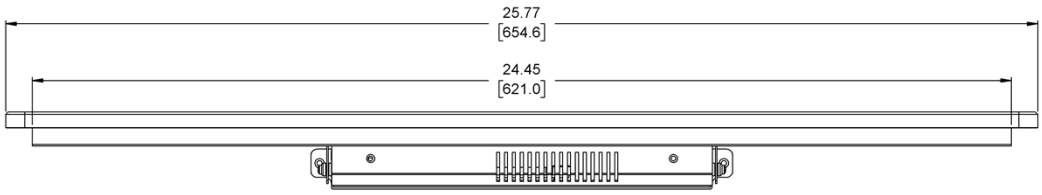
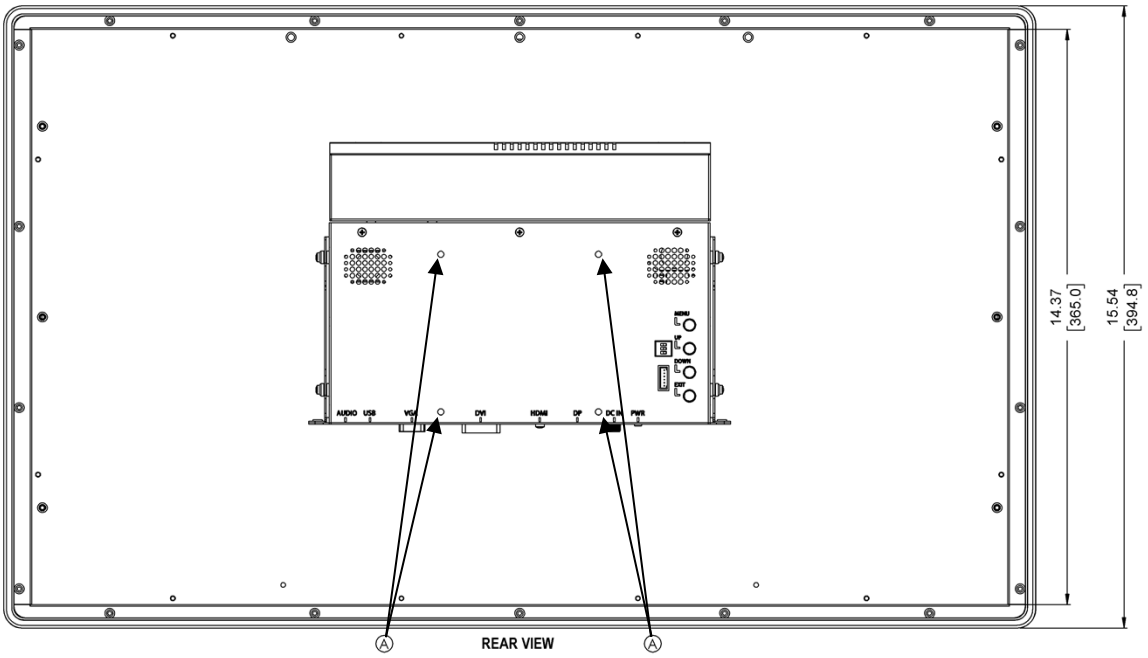
- **C** USB 2.0 Type-B Client Port
- **D** VGA Input
- **E** DVI-D Input
- **F** HDMI® Input
- **G** DisplayPort Input
- **H** DC Input Power Connector
- **I** Illuminated Power Button
- **J** Thumb-Screw Mounting

MON1027APv2



TOP VIEW

DIMENSIONS ARE IN INCHES [MM]



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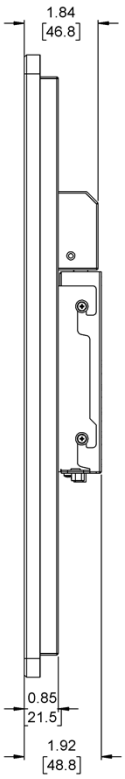
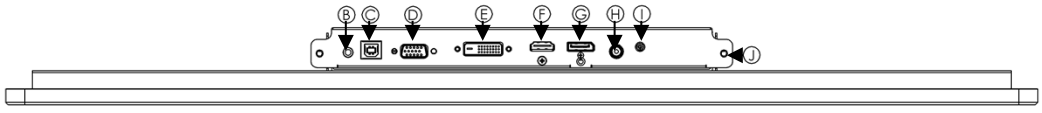


SIDE VIEW



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Industrial Monitors

Engineers and Integrators Trust Maple Systems

Control your factory, monitor your data, and connect your world with Maple Systems Industrial Monitors. All of our Industrial Monitors are ideal for applications in Industrial Automation, Manufacturing, Data Centers, Factory Automation, Food & Beverage Processing, Pharmaceuticals, Water and Wastewater Treatment, and Packaging and Material Handling operations. Wide selection, fast delivery, strong warranty—we're your complete Industrial Monitor partner.

Serving Industries Around the World

Why an environment-first approach works

All our Industrial Monitors 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 monitors, stainless steel enclosures, and Class I, Div 2 certified solutions. Learn more about the industries we serve and discover why more and more companies are choosing Maple Systems.





Why Choose an Industrial Monitor

Heavy duty reliability in industrial settings

Industrial monitors are specifically engineered to withstand harsh environments and offer features that cater to specific industrial needs. Choosing the right industrial monitor involves balancing various factors such as connectivity, display quality, operational environment, and durability. The right choice not only enhances efficiency but also ensures reliability and longevity in demanding industrial applications.

Pair with an Industrial Box PC

Powerful | Configurable | SCADA

Embedded Industrial Box PCs provide a high-quality option for applications that do not require a fixed display. A fanless PC with plenty of built in I/O connections makes it an ideal solution for industrial automation applications. If a monitor is needed, pair it with one of our Stainless Steel, High Brightness, Class 1 Div2 or Extended Temperature Industrial Monitors based on the application environment.

The Benefits of Optical Bonding

Durability | Clarity | Accuracy

magine a touchscreen so clear and responsive that it feels like you're touching the content directly, yet durable enough to withstand the harshest industrial environment. Optical bonding is the process that makes this possible. By addressing common issues such as internal reflections and susceptibility to environmental factors, Maple Systems optical bonded industrial monitors ensure that touchscreens are more reliable and efficient.

Maple Systems

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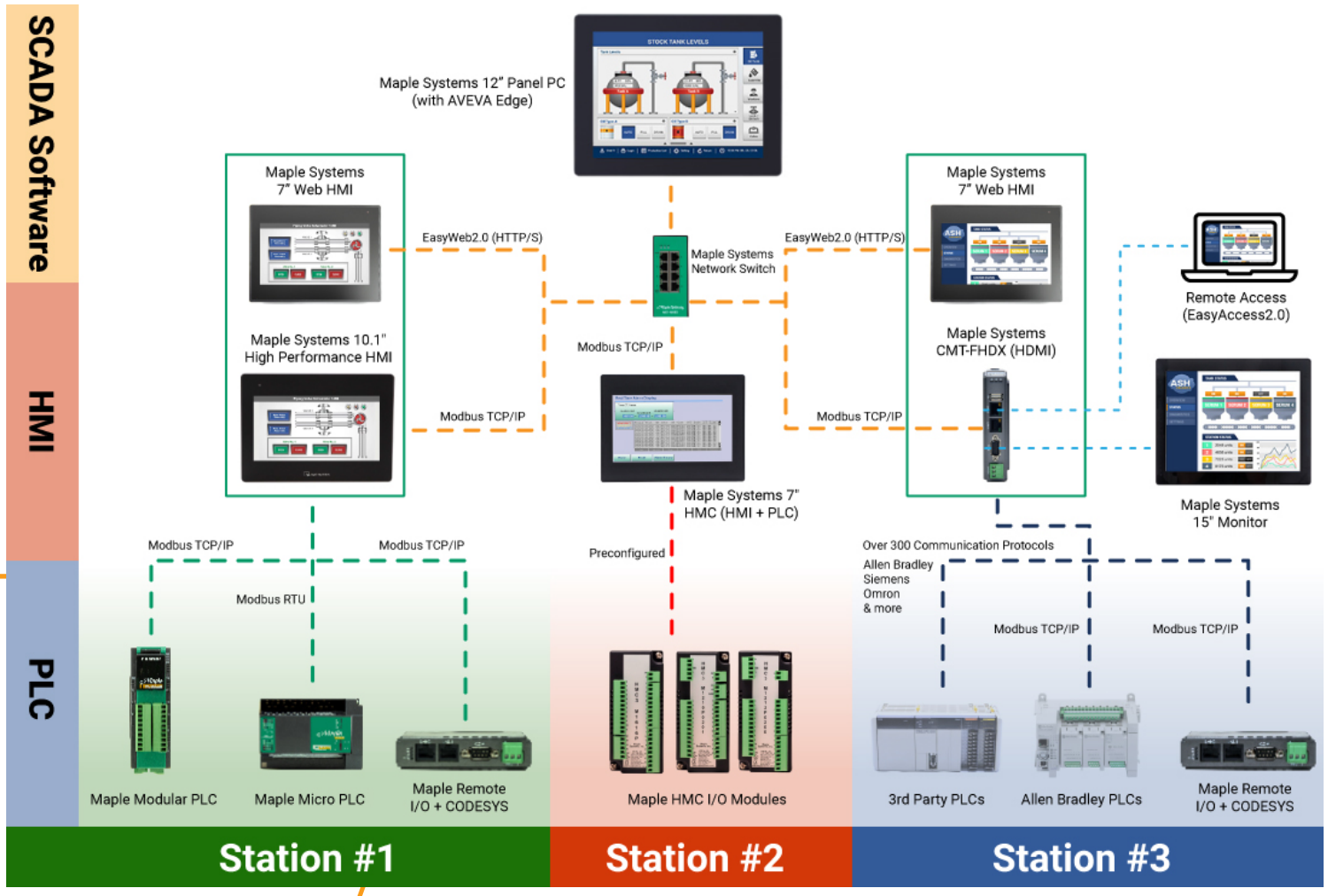
Standardizing SCADA Communications with Maple Systems Components

From simple stand-alone machines to sophisticated multi-device networked production lines, Maple Systems solutions empower your facility with enterprise-level operations and IIoT functionalities. Leveraging advanced cloud connectivity, Maple Systems hardware and software assist with:

- Logging data from your devices using Maple Systems, smart HMIs and gateways to aid in reporting, improve efficiency, and reduce downtime.
- Planning routine maintenance with ease by tracking system health metrics directly on Maple Systems HMIs and rugged Tablets.
- Adding advanced IIoT functionality via built-in support for MQTT, OPC UA, native Ignition server integration, and secure SQL databases like MySQL or Microsoft SQL Server.

The right Maple Systems products can help you standardize communications between legacy and modern devices, gluing disparate systems together to create a single, unified source for your SCADA ecosystem. There is no need to completely redesign your entire application. Keep the components that are already working for you, and simply add Maple Systems components to grow your abilities to supervise, control, and acquire data.



Industrial Monitors

Industrial Automation and Control Solutions

Imagine a system that seamlessly integrates real-time monitoring, intelligent control, and invaluable data analytics that can boost productivity, efficiency, and overall performance. That's the transformative capabilities of Maple Systems products and US-based technical sales and support.



HMIs

IIoT Control for Smart Factories

Our HMIs have enhanced software features such as remote access, data handling, security, recipes, email, and more. IIoT support for MQTT, Sparkplug B, Ignition SQL, and OPC UA. Class 1, Div 2 options available.



PLCs

Modular and Micro Series

Our PLCs provide an affordable combination of function and control in a cost-effective package. Programmed with our FREE control software, MapleLogic, that features high-speed counters, positioning control, input module filtering, PID control, and more, depending on the model.



Industrial PCs

Panel, Box, Rackmount, Media Player

Our Industrial PCs are full-strength, fan-less industrial computers with the power to support your SCADA software. Customize to meet your requirements: CPU, storage, memory, OS, and wifi upgrades available.



HMI + PLCs

Combining HMI and PLC functionality

These HMCs are powerful HMIs with I/O and supports high-speed counters and timers, provides serial, Ethernet communications, and support IEC programming. Class I, Division 2. Remote access options available.



Industrial Monitors

High Brightness, Wide Temp Options

Pair a Capacitive Touchscreen Monitor with one of our Industrial Box PCs or HDMI-enabled HMI to expand your project's capabilities. High brightness (1000nit), Wide-Temp, and Class I Division 2 options available.



Rugged Tablets

Durability, Performance, and Mobility

Built for industrial environments and certified to MIL-STD-810H military standards, these tablets feature waterproof enclosures with Gorilla Glass displays that protect against dust, water, and extreme temperatures.



Network Switches

Industrial Grade Components

Our network switches provide a high level of immunity against EMI and EMS found in industrial environments; and include features such as ESD Protection, Surge Protection, and Short Circuit Protection to ensure continuous operation in unstable power conditions. Unmanaged and managed switches available.



HTML5 Web HMI

Versatile and secure access to any web page

Web HMIs come standard with a built-in Chromium Browser, HTML5 Powered, IP66, Class I, Div 2 rating, ensuring intuitive interaction that enables users to access the same web content across many platforms.



Tower Stack Lights

Flash patterns and buzzer functions

Tower stack lights / Signal Towers provide high-visibility visual and audible signaling for clear machine status indication, safety alerts, and efficient industrial communication.



Pushbuttons

Dependable control for electrical and automation systems

Choose momentary or maintained action with options for illuminated, selector, emergency stop, and toggle designs.



Power Supplies

DIN Rail Mountable

Maple Systems DIN rail power supplies convert AC line voltage into clean, regulated DC for the PLCs, HMIs, I/O, sensors, relays and valves in your control panel.



PID Controllers

Precise, reliable process control

The right PID controller helps maintain your target setpoint, minimize process variation, and keep your operation running smoothly. Our PID Controllers combine auto-tuning, fuzzy logic PID control for industrial process and temperature applications.

Knowledge Base

Guides, tutorials, and documentation

Technical guides and how-to articles for Maple Systems products. Resources and configuration guides including programming basics, setup, communication protocols, software deployment, networking, and so much more!

Schedule a call with one of our product specialists today

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