



# HMI5121XL | Advanced HMI Series

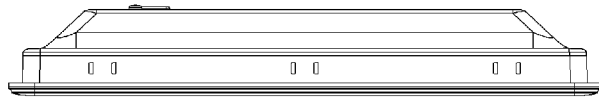
## 12.1" Touchscreen HMI



- Enhanced Graphics, Animation
- Enhanced Security
- Email Notification
- Recipe, Data Logging, Pie Charts
- Trend Graphic, Circular Trends
- Remote Access (Easy Access 2.0)

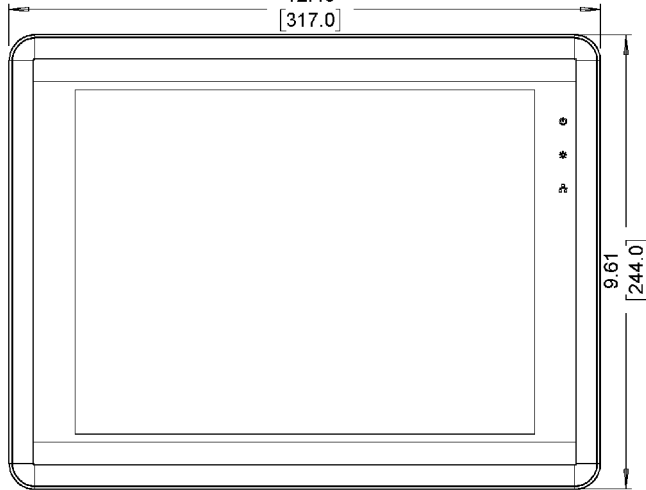


<b>System</b>	<b>CPU</b>	32-bit RISC Cortex-A8, 1 GHz
	<b>Memory (RAM)</b>	256 MB
	<b>Memory (Flash)</b>	256 MB
	<b>RTC</b>	Built-in
<b>I/O Ports</b>	<b>Serial</b>	1 x DE9P COM1: RS-232 1 x DE9S COM1: RS-485 2 or 4 wire, COM3: RS-485 2 wire
	<b>LAN</b>	1 x 10/100 Base-T RJ-45
	<b>CANbus</b>	N/A
	<b>USB Host</b>	1 x USB 2.0
	<b>USB Client</b>	1 x USB 2.0
	<b>Audio</b>	N/A
	<b>Video</b>	N/A
	<b>Wi-Fi</b>	N/A
	<b>HDMI®</b>	N/A
	<b>SD Card Slot</b>	SD/SDHC
<b>Display</b>	<b>Display Type</b>	12.1" TFT LCD
	<b>Size (W x H)</b>	9.76 x 7.34 inches [248 x 187 mm]
	<b>Resolution (pixels)</b>	1024 x 768
	<b>Max. Colors</b>	16.2 M
	<b>Luminance (cd/m²)</b>	500
	<b>Viewing Angle (H°/V°)</b>	N/A
	<b>Contrast Ratio</b>	700:1
	<b>Backlight Lifetime</b>	50,000+
<b>Touch Screen</b>	<b>Type</b>	4-wire resistive touch
	<b>Active Area Accuracy</b>	Length (X) ± 2%, width (Y) ± 2%
<b>Electrical</b>	<b>Input Voltage</b>	24 ± 20% VDC
	<b>Input Current</b>	800 mA @ 24 VDC
	<b>Input Power</b>	19.2 W
	<b>Power Isolation</b>	Built-in
	<b>Isolation Resistance</b>	Exceed 50 MΩ at 500 VDC
<b>Mechanical</b>	<b>Enclosure</b>	Aluminum, charcoal grey
	<b>PCB Coating</b>	Yes
	<b>Dimensions</b>	12.48 x 9.61 x 1.81 inches
	<b>Net Weight</b>	Approx. 4.6 lbs. [2.1 kg]
	<b>Mounting</b>	Panel or VESA 75 x 75 mm mounting
<b>Environmental</b>	<b>Operating Temperature</b>	32° ~ 122° F (0° ~ 50° C)
	<b>Storage Temperature</b>	-4° ~ 140° F (-20° ~ 60° C)
	<b>Relative Humidity</b>	10% ~ 90% (non-condensing)
	<b>Vibration Endurance</b>	10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)
	<b>Ratings</b>	UL Type 4X (indoor use only), NEMA 4, IP66 compliant front panel
<b>Certifications</b>	cULus, CE, RoHS	
<b>Software</b>	EBPro (v6.00.01.174 or later), EasyAccess 2.0 (optional), IIoT Ready, MQTT, Sparkplug, VNC	
<b>Notes</b>	Specifications subject to change without notice	

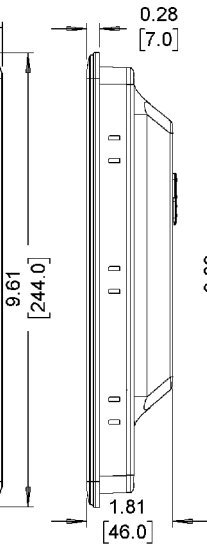


Top View

12.48  
[317.0]

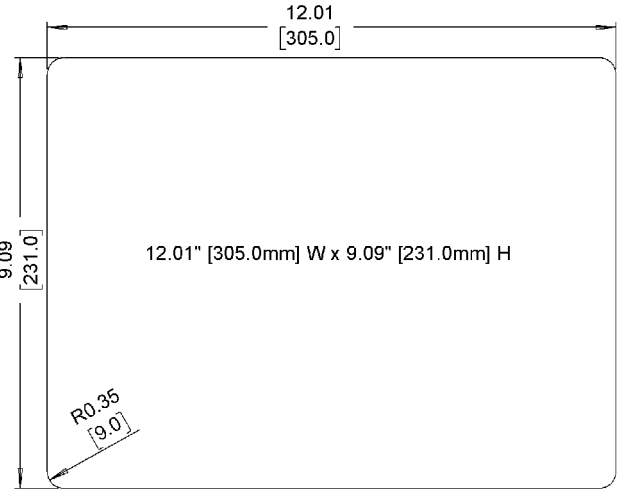


Front View

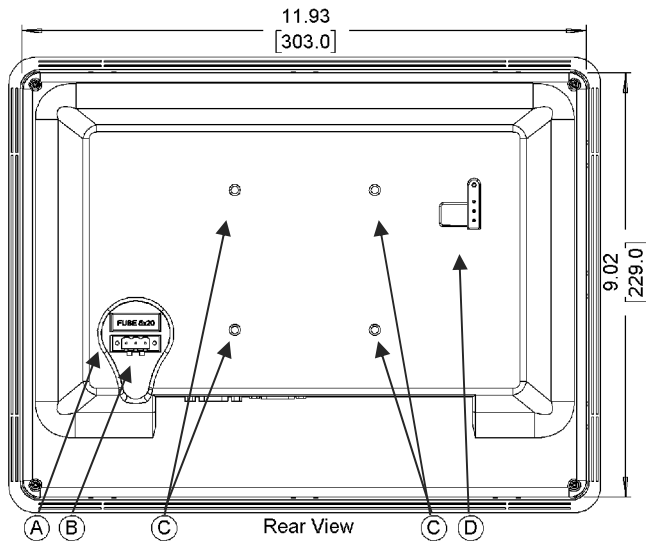


Side View

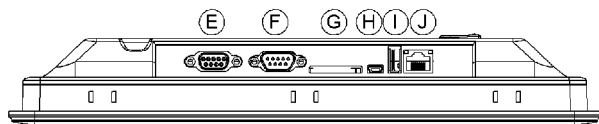
Dimensions are in inches [mm]



Cutout Dimensions



Rear View



Bottom View

- |                         |                       |
|-------------------------|-----------------------|
| A Fuse                  | F COM Port DE9P       |
| B Power Connector       | G SD/SDHC Card Slot   |
| C VESA 75mm Screw Holes | H USB 2.0 Client Port |
| D DIP Switches          | I USB 2.0 Host Port   |
| E COM Port DE9S         | J Ethernet Port       |